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AMTRAK.

HE
2791
.A3
W54
1994

Wilner, Frank N.
The Amtrak story / by Frank N. Wilner. -- Omaha, Neb. : Simmons-Boardman, c 1994.
v, 158 p. : ill. ; 23 cm.
ISBN 0-911382-16-X

1. Amtrak. 2. Railroads--United States--Passenger traffic. 3. High speed trains--United States.

94 31361352 TLBAsc 94-67976

ARCHITECTURE AND THE PHYSICALLY HANDICAPPED--MASSACHUSETTS--BOSTON.

NA
2545
.P5
A23
1990

Access Boston : design guidebook for barrier free access. -- Boston, MA : Adaptive Environments Center, 1990.
42 p. : ill. ; 22 x 28 cm.

1. Architecture and the physically handicapped--Massachusetts--Boston. 2. Physically handicapped--Massachusetts--Boston.

Rev-1 TLBAsc

ASPHALT CEMENT.

TE
275
.I56
1993

Improved asphalt cement specifications to ensure better performance / Mang Tia ... [et al.]. -- Gainesville, Fla. : University of Florida, Dept. of Civil Engineering, Engineering and Industrial Experiment Station, [1994]
xxi, 213 p. : ill. ; 28 cm.
STRN: FL/DOT/RMC/0514-3546

1. Asphalt cement. 2. Pavements, Asphalt--Additives--Testing. 3. Binders (Materials)--Testing.

94 31072867 TLBAsc

ASPHALT CONCRETE.

HE
131
.T687r
no.1436

Asphalt concrete mix materials. -- Washington, D.C. : National Academy Press, 1994.
v, 132 p. ; 28 cm. -- (Transportation research record ; 1436)
ISBN 0-309-05513-X

1. Asphalt concrete. 2. Pavements, Asphalt concrete.

94 31652484 TLBAsc

ATCHISON, TOPEKA, AND SANTA FE RAILWAY COMPANY.

TF
25
.A82
G52
1991

Gibson, William Oliver.
Journal of a Santa Fe wire twister, final entries / by William Oliver Gibson. -- David City, NE : South Platte Press, c1991.
36 p. : ill. ; 28 cm.

1. Atchison, Topeka, and Santa Fe Railway Company. 2. Railroads--West (U.S.)--Employees--Biography.

06 JAN 95 24853132 TLBAsc

AUTOMOBILE PARKING--MASSACHUSETTS--MARBLEHEAD.

TL
176
.M37
M37
1984

Marblehead parking study : report / Metropolitan Area Planning Council. -- [S.l.] : The Council, 1984.
25 leaves ; 28 cm.

1. Automobile parking--Massachusetts--Marblehead.

Rev-1 TLBAsc

BICYCLE COMMUTING.

HE
131
.T687r
no.1441

Nonmotorized transportation around the world. -- Washington, D.C. : National Academy Press, 1994.
vii, 150 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1441)
ISBN 0-309-05523-7

1. Bicycle commuting. 2. Pedestrians. 3. Human powered vehicles.

20 JAN 95 31773031 TLBAsc

BICYCLE COMMUTING--UNITED STATES.

GV
1043.7
.N37
no.4

Measures to overcome impediments to bicycling and walking / [prepared by Gary H. Zehnpfenning ... et. al. under contract to the Federal Highway Administration]. -- [Washington, D.C. : Federal Highway Administration, 1993]
109 p. ; 28 cm. -- (National bicycling and walking study ; Case study no.4)

1. Bicycle commuting--United States. 2. Cycling--United States. 3. Walking--United States. 4. Choice of transportation.

31096449 TLBAsc

AERONAUTICS, COMMERCIAL.

HE
131
.T687r
no.1428

Public-sector aviation issues : graduate research award papers, 1992-1993. -- Washington, D.C. : National Academy Press, 1994.
v, 35 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1428)
ISBN 0-309-05506-7

1. Aeronautics, Commercial. 2. Aeronautics--Safety measures.

06 JAN 95 30874297 TLBAsc

AIRLINES--UNITED STATES--DEREGULATION.

HE
9803
.A4
M423
1993

Mead, Kenneth M.
State of the airline industry : strategies for addressing financial and competition problems : statement of Kenneth M. Mead, Director, Transportation Issues, Resources, Community, and Economic Development Division, before the Committee on Appropriations, Subcommittee on Transportation and Related Agencies, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1993]
26, [2] p. ; 28 cm. -- (Testimony ; GAO/T-RCED- 93-21)

13 JAN 95 27856910 TLBAsc SEE NEXT CRD

AERONAUTICS--DICTIONARIES.

REF.
TL
509
.A77
A22
1992

Artuso, Frank.
ACAD : airman's civil aviation dictionary : "V" speeds, abbrevations, drawn illustrations, quick easy reference, easy to understand definitions / [Frank "Beau" Artuso]. -- Las Vegas, NV : ACAD Publications, c1992.
v, 185 p. : ill. ; 23 cm.
ISBN 0-9634854-4-X (pbk.)

1. Aeronautics--Dictionaries.

27730631 TLBAsc 92-97183

AIRPLANES--DESIGN AND CONSTRUCTION.

TL
671.2
.P62
C87
1991

Poberezny, Paul.
Custom built sport aircraft handbook : a guide to construction standards for the amateur aircraft builder / [prepared by Paul H. Poberezny and S. H. (Wes) Schmid]. -- Oshkosh, WI : EAA, 1991.
140 p. : ill. (some col.) ; 28 cm.

1. Airplanes--Design and construction. 2. Airplanes, Home-built.

28050634 TLBAsc

AERONAUTICS--IDAHO--HISTORY.

TL
522
.I2
H37
1991

Hart, Arthur A.
Wings over Idaho : an aviation history / Arthur A. Hart. -- Boise, Idaho : Historic Boise, Inc., c1991.
175 p. : ill. ; 28 cm.
ISBN 0-9631258-0-X (paper)

1. Aeronautics--Idaho--History.

Rev-1 TLBAsc 91-93140

AIRPORT CONTROL TOWERS--UNITED STATES--COST CONTROL.

TL
725.3
.C64
U54
1994

United States. General Accounting Office.
Air traffic control : status of FAA's plans to close and contract out low-activity towers : report to the Chairman, Subcommittee on Transportation and Related Agencies, Committee on Appropriations, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
25 p. : ill. ; 28 cm.

18 JAN 95 31298506 TLBAsc SEE NEXT CRD

AERONAUTICS--UNITED STATES--SAFETY MEASURES.

TL
553.5
.L5
A945
1994

Li, Allen.
Aviation safety : FAA's efforts to improve oversight of foreign carriers : statement by Allen Li, Associate Director, Transportation Issues, Resources, Community, and Economic Development Division, before the Subcommittee on Investigations and Oversight, Committee on Public Works and Transportation, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
6, [2] p. ; 28 cm. -- (Testimony ; GAO/T-RCED-95 -33)

31 JAN 95 31325597 TLBAsc SEE NEXT CRD

AIRPORTS--MASSACHUSETTS--PLANNING.

HE
9797.5
.M42
S77
1993

Strategic assessment report : report to the Massachusetts Aeronautics Commission. -- Cambridge, Mass. : Arthur D. Little, 1993.
4 v. : ill., maps (some col.) ; 28 cm.

1. Airports--Massachusetts--Planning.

28620156 TLBAsc

BLACKSTONE CANAL (MASS. AND R.I.)

BE
356
.M4146
R4492
1993

King, Marsha K.
Archaeological site examinations of two Blackstone Canal segments in Worcester and Millbury, Massachusetts and the Mill Brook Sewer Portal in Worcester, Massachusetts / Marsha K. King, Virginia H. Adams, Ronald Dalton ; submitted to Howard Needles Tammen & Bergendoff ; submitted by the Public Archaeology Laboratory, Inc. -- Pawtucket, R.I. : The Public Archaeology Laboratory Inc, 1993.
115 [6 leaves] : maps ; 28 cm.
1. Blackstone Canal (Mass. and R.I.) 2. Route 146 (Mass.) 3. Mill Brook Sewer and Portal (Worcester, Mass.)

13 FEB 95 31000864 TLBAsc

BOSTON BARBOR (MASS.)

BE
554
.B6
G68
1994

Governor's Commission on Commonwealth Port Development.
The Governor's Commission on Commonwealth Port Development : final report. -- [Boston, Mass.] : The Commission, 1994.
146 p. : ill. ; 28 cm.

1. Harbors--Massachusetts--Boston. 2. Shipping--Massachusetts. 3. Boston Barbor (Mass.) 4. Harbors--Massachusetts.

13 JAN 95 31732829 TLBAsc

BOSTON HARBOR (MASS.)

REF.
HE
554
.B6
P675
1994

The port of Boston, Massachusetts / prepared by Navigation Data Center ; U.S. Army, Corps of Engineers, Water Resources Support Center. -- Rev. 1994. -- [Fort Belvoir, Va.?] : The Corps ; Alexandria, VA : For sale by the Navigation Data Center ; Washington, DC : For sale by the U.S. G.P.O., Supt. of Docs., 1994.
vi, 97 p. : ill., maps ; 28 cm. -- (Port series ; no. 3)

1. Harbors--Massachusetts--Boston. 2. Boston Harbor (Mass.)

31457512 TLBAsc

BOSTON HARBOR (MASS.)--NAVIGATION.

TC
187
.B67
B67
1994

Boston Harbor navigation improvement dredging : berth dredging project / prepared by: Normandeau Associates Inc.; U.S. Army Corps of Engineers. -- Waltham, Mass. : U.S. Army Corps of Engineers, 1994.
2 v. : ill., maps ; 28 cm.

1. Dredging--Environmental aspects--Massachusetts--Boston--Harbor. 2. Boston Harbor (Mass.)--Navigation. 3. Boston Barbor (Mass.)

Rev-1 2-22-95 TLBAsc

BRIDGES--ABUTMENTS.

TG
325
.I87
S72
1992

Lutenegger, A. J.
Stability of existing granite block bridge abutments / by Alan J. Lutenegger, Ching S. Chang and Ernest T. Selig. -- [Amherst, MA : University of Massachusetts], 1992.
4 v. : ill. ; 28 cm.

1. Bridges--Abutments. 2. Bridges--Massachusetts--Abutments.

Rev-1 TLBAsc

BRIDGES, CABLE-STAYED--CORROSION.

TG
405
.N43
1993

NDE techniques for detecting grout defects in cable stays / by Roger P. Bligh ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1993]
xiii, 87 p. : ill. ; 28 cm. -- (Research report ; 1268-1F)

1. Bridges, Cable-stayed--Corrosion. 2. Non-destructive testing.

10 JAN 95 30502554 TLBAsc

BRIDGES, CONCRETE--EVALUATION--DATA PROCESSING.

TG
335
.R67
G72
1994

Roschke, Paul N.
Graphically-oriented analysis of post-tensioned slab bridges on microcomputers / by Paul N. Roschke and Kevin R. Pruski. -- Rev. Jan. 1994. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, VA : Available through the National Technical Information Service, 1994]
xiii, 103 p. : ill. ; 28 cm. -- (Research report ; 1182-4F)
STRN: FHWA/TX-92/1182-4F
1. Bridges, Concrete--Evaluation--Data processing. 2. Bridges--Live loads--Data processing. 3. Post-tensioned pre stressed concrete construction. 4. TEXSLAB (Computer file)

31283478 TLBAsc

BRIDGES, CONCRETE--FLOORS--CATBODIC PROTECTION--TEXAS--BIG SPRING--EVALUATION.

TG
315
.N37
C37
1994

Nash, Phillip T.
Cathodic protection system for reinforced concrete bridge deck, Big Spring / prepared by Phillip T. Nash, Harry W. Parker, Robert W. Feingold. -- Lubhock, Tex. : College of Engineering, Texas Tech University ; [Springfield, VA : Available through the National Technical Information Service, 1994]
135 p. in various pagings : ill. ; 28 cm. -- (Research study ; no. 1-10-85-500)

13 JAN 95 31490328 TLBAsc SEE NEXT CRD

BRIDGES, CONCRETE--FLOORS--DESIGN AND CONSTRUCTION.

TG
325.6
.F32
1994

Factors affecting the design thickness of bridge slabs : design and preliminary verification of test setup / J.H. Witt ... [et al.] ; conducted for the Texas Department of Transportation in cooperation with the U.S. Department of Transportation, Federal Highway Administration. -- Austin : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
ix, 34 p. : ill. ; 28 cm. -- (Research report ; 1305-1)
STRN: FHWA/ TX-94+1305-1

94 31431964 TLBAsc SEE NEXT CRD

BRIDGES--FOUNDATIONS AND PIERS--MAINTENANCE AND REPAIR.

TG
320
.E44
S77
1994

Elias, Victor.
Strategies for managing unknown bridge foundations / [Victor Elias]. -- McLean, Va. : Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
vi, 67 p. : ill. ; 28 cm.
STRN: FHWA-RD-92-030

1. Bridges--Foundations and piers--Maintenance and repair. 2. Bridges--Foundations and piers--Testing. 3. Scour at bridges.

94 30039783 TLBAsc

BUS LINES--UNITED STATES.

HE
5623
.A53
S97
1993

Anderson, John H.
Surface transportation : federal and state efforts to support declining intercity bus service : statement of John H. Anderson, Jr., Associate Director, Transportation Issues, Resources, Community, and Economic Development Division, before the Subcommittee on Surface Transportation, Committee on Commerce, Science, and Transportation, U.S. Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1993]
10, [2] p. ; 28 cm. -- (Testimony ; GAO/T-RCED- 93-16)

94 27786657 TLBAsc SEE NEXT CRD

BUSES--CALIFORNIA--MAINTENANCE AND REPAIR--COSTS.

TL
232.4
.F73
S72
1993

Freese, Donald L.
State of California public transportation vehicle maintenance 1991 cost study : preliminary report / by Donald L. Freese. -- [Sacramento] : California Dept. of Transportation, Division of Mass Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1993]
xiii, 21, [6] p. ; 28 cm.
STRN: CA-PB-92-201300
1. Buses--California--Maintenance and repair--Costs. 2. Bus lines--California--Management. 3. Paratransit services--California--Management.

13 JAN 95 28146033 TLBAsc

BUSES--MAINTENANCE AND REPAIR.

HE
131
.T687tts
no.7

Abrams, Edward M.
Regulatory impacts on design and retrofit of bus maintenance facilities / Edward M. Abrams, Frank Spielberg. -- Washington, D.C. : National Academy Press, 1994.
47 p. : ill. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-9880 ; 7)
ISBN 0-309-05660-8

1. Buses--Maintenance and repair. 2. Transportation buildings--Standards--Law and legislation. 3. Garages--Design and construction.

20 JAN 95 31790741 TLBAsc

BUSES--UNITED STATES--POLLUTION CONTROL DEVICES.

HE
131
.T687tts
no.8

Schiavone, John J.
Retrofit of buses to meet clean air regulations / John J. Schiavone. -- Washington, D.C. : National Academy Press, 1994.
48 p. : ill. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-9880 ; 8)
ISBN 0-309-05670-5

1. Buses--United States--Pollution control devices. 2. Buses--United States--Maintenance and repair. 3. Air--Pollution--Law and legislation--United States.

13 FEB 95 31883375 TLBAsc 94-61883

C++ (COMPUTER PROGRAM LANGUAGE)

QA
76.73
.C153
S35
1994

Schildt, Herbert.
C++ from the ground up / Herbert Schildt. -- Berkeley : Osborne McGraw-Hill, c1994.
xvi, 548 p. : ill. ; 23 cm.
ISBN 0-07-881968-5

1. C++ (Computer program language)

94 31525076 TLBAsc

CANTON VIADUCT (CANTON, MASS.)

HE
2781
.B74
B732
1991

Canton Viaduct : engineering action plan - 1991 / prepared for Massachusetts Bay Transportation Authority; prepared by Vanasse Hangen Brustlin, Inc. -- Watertown, Mass. : Vanasse Hangen Brustlin, Inc., 1991.
1 v. (various pagings) : ill., maps, plans ; 28 cm.
1. Massachusetts Bay Transportation Authority--Commuter rail--Attleboro/Stoughton Branch. 2. Massachusetts Bay Transportation Authority--Commuter rail--Bridges. 3. Canton Viaduct (Canton, Mass.) 4. Viaducts--Massachusetts--Canton. 5. Railroad bridges--Massachusetts.

Rev-1 1-18-95 TLBAsc

CENTRAL ARTERY (BOSTON, MASS.)

Oversize
F
73.67
.C46
M433
1989

Central Artery (I-93)/Third Harbor Tunnel (I-90) project : historic resource data sheets / prepared for Massachusetts Dept. of Public Works & Bechtel/Parsons Brinkerhoff by McGinley Hart & Associates, Project Conservator. -- [Boston, Mass.] : Bechtel/Parsons Brinkerhoff ; Boston : Massachusetts Dept. of Public Works, 1989.
v. : ill., maps, plans (some folded) ; 30 cm.

Rev-1 1-13-95 TLBAsc SEE NEXT CRD

CENTRAL ARTERY (BOSTON, MASS.)

HE
379
.B71
I54sea
1989

Disposal site screening report : dredged and excavated material / prepared for Massachusetts Dept. of Public Works; prepared by Bechtel/Parsons Brinckerhoff. -- [Boston, Mass. : Bechtel/Parsons Brinckerhoff, 1989]
1 v. (various pagings) : ill., maps ; 28 cm.
1. Central Artery (Boston, Mass.) 2. Third Harbor Tunnel (Boston, Mass.) 3. Interstate 93 (Mass.) 4. Interstate 90 (Mass.) 5. Soils--Massachusetts--Testing. 6. Soils--Massachusetts--Sampling. 7. Central Artery/Third Harbor Tunnel Project (Mass.)

Rev-1 2-2-95 TLBAsc

CENTRAL ARTERY (BOSTON, MASS.)

HE
379
.B71
I54sg
1991

Notice of project change, Central Artery/Tunnel project, final supplemental environmental impact report, EOEA #4325 / project proponent, Massachu5setts [sic] Highway Dept. -- [Boston, MA : The Dept., 1991]
11 leaves ; ill. ; 28 cm.

1. Central Artery (Boston, Mass.) 2. Interstate 93 (Mass.) 3. Interstate 90 (Mass.) 4. Third Harbor Tunnel (Boston, Mass.)

Rev-1 12-20-94 TLBAsc

CENTRAL ARTERY (BOSTON, MASS.)

HE
379
.B71
I54seb
1989

Soil characterization report / Bechtel/Parsons Brinckerhoff. -- [Boston, Mass. : Bechtel/Parsons Brinckerhoff, 1989]
1 v. (various pagings) : ill., maps, plans ; 28 cm.

1. Central Artery (Boston, Mass.) 2. Third Harbor Tunnel (Boston, Mass.) 3. Interstate 93 (Mass.) 4. Interstate 90 (Mass.) 5. Soils--Massachusetts--Testing. 6. Soils--Massachusetts--Sampling. 7. Central Artery/Third Harbor Tunnel Project (Mass.)

Rev-1 2-2-95 TLBAsc

CHARLES RIVER (MASS.)--BRIDGES--DESIGN AND CONSTRUCTION.

HE
379
.B71
I564
1993

Charles River crossing : draft supplemental environmental impact statement/report, public hearing ; Central Artery/Tunnel Project. -- [Boston, Mass. : Massachusetts Highway Department, 1993.]
1 v. (various pagings) ; 28 cm.
1. Central Artery/Third Harbor Tunnel Project (Mass.) 2. Environmental impact analysis--Massachusetts--Boston Metropolitan area. 3. Bridges--Massachusetts--Boston--Design and construction. 4. Charles River (Mass.)--Bridges--Design and construction. 5. Third Harbor Tunnel (Boston, Mass.) 6. Central Artery (Boston, Mass .) 7. Interstate 90 (Mass.) 8. [illegible]nterstate 93 (Mass.)

Rev-1 2-1-95 TLBAsc

CHICAGO AND NORTH WESTERN RAILWAY COMPANY.

Oversize
TF
25
.C46
M54
1992

Mills, Rick W.
The high, dry, and dusty : memories of the Cowboy Line / Rick W. Mills and James J. Reisdorff. -- David City, NE : South Platte Press, c1992.
168 p. : ill., map ; 29 cm.
ISBN 0-942035-20-8

1. Chicago and North Western Railway Company. 2. Railroads--West (U.S.)--History.

23 DEC 94 27417583 TLBAsc 92-82706

CONTAINERIZATION--UNITED STATES.

TA
1215
.M32
I57
1989

McKenzie, David R.
Intermodal transportation : the whole story / by David R. McKenzie, Mark C. North, Daniel S. Smith. -- 1st ed. -- Omaha, NE : Simmons-Boardman, 1989.
viii, 289 p. : ill. ; 21 cm.
ISBN 0-911382-09-7

1. Containerization--United States. 2. Railroads--United States--Freight. 3. Piggyback transportation--United States.

09 DEC 94 20279324 TLBAsc 89-61911

CONTRACTING OUT--UNITED STATES--DECISION MAKING.

HD
3861
.S73
G68
1994

Stevens, Nye.
Government contractors : contracting out implications of streamling agency operations : statement of Nye Stevens, Director of Planning and Reporting, General Government Division, before the Subcommittee on Civil Service, Committee on Post Office and Civil Service, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
5, [2] p. ; 28 cm. -- (Testimony ; GAO/T-GGD-95-4)

27 DEC 94 31325629 TLBAsc SEE NEXT CRD

CULVERTS--RESEARCH--UNITED STATES.

TE
213
.Z63
P73
1994

Zoghi, Manoochehr.
Predicting performance of long-span precast concrete arch culverts / by M. Zoghi. -- [Dayton, Ohio] : University of Dayton, Dept. of Civil and Environmental Engineering and Engineering Mechanics ; Springfield, Va. : Available to the public through the National Technical Information Service, [1994]
iii, 23 leaves : ill. ; 28 cm.

1. Culverts--Research--United States.

94 30763433 TLBAsc

CYCLING--SAFETY MEASURES.

HE
131
.T687r
no.1438

Research issues on bicycling, pedestrians, and older drivers. -- Washington, D.C. : National Academy Press, 1994.
v, 98 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1438)
ISBN 0-309-05519-9

1. Cycling--Safety measures. 2. Pedestrian accidents. 3. Pedestrians--Safety measures. 4. Aged automobile drivers.

06 JAN 95 31687162 TLBAsc

CYCLING--UNITED STATES--SAFETY MEASURES.

TE
301
.E33
1994

The Effects of bicycle accommodations on bicycle/motor vehicle safety and traffic operations / [W.C. Wilkinson ... et al.]. -- McLean, Va. : U.S. Dept. of Transportation, Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
v, 135 p. : ill. ; 28 cm.
STRN: FHWA-RD-92-069
1. Cycling--United States--Safety measures. 2. Cycling--Government policy--United States. 3. Roads--United States--Design and construction. 4. Traffic safety--United States.

Rev-1 1-13-94 TLBAsc

EARTHQUAKE RESISTANT DESIGN.

TA
658.44
.S44
1994

Seismic design considerations for mass transit facilities / prepared by Volpe National Transportation Systems Center and Parsons, Brinkerhoff, Quade & Douglas, Inc. -- Washington, D.C. : Federal Transit Administration : Distributed in cooperation with Technology Sharing Program, [1994]
v, 30, A-3, B-2 : ill., maps ; 28 cm.

1. Local transit stations--Design and construction. 2. Subway stations--Design and construction. 3. Bus stations--Design and construction. 4. Earthquake resistant design.

94 30891182 TLBAsc

ELECTRONIC TRAFFIC CONTROLS.

TE
228
.C52
C66
1994

Chang, Edmond Chin-Ping.
Coordination of actuated controllers on traffic control systems / by Edmond Chin-Ping Chang and Joseph Koothrappally. -- Rev., July 1994. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; Springfield, Va. : available through National Technical Information Service, [1994]
1 v. (various pagings) : ill., maps ; 28 cm. -- (Research report ; 1255-1)

1. Electronic traffic controls. 2. Traffic signs and signals. 3. Traffic engineering.

31369979 TLBAsc

EMPLOYEE MOTIVATION.

HF
5549.5
.M63
K87
1994

Kushel, Gerald.
Reaching the peak performance zone : how to motivate yourself and others to excel / Gerald Kushel. -- New York : AMACOM, c1994.
x, 164 p. : ill., forms ; 24 cm.
ISBN 0-8144-0222-4

1. Employee motivation. 2. Achievement motivation. 3. Performance.

94 30623853 TLBAsc 94-21825

ENERGY CONSUMPTION--UNITED STATES--STATES--STATISTICS--PERIODICALS.

REF.
HD
9502
.U52
E528

State energy price and expenditure report. -- 1970-1981- . -- Washington, D. C. : Energy Information Administration, Office of Energy Markets and End Use, U.S. Department of Energy : Available from the Supt. of Docs., U.S. G.P.O, 1984-

v. : ill. ; 28 cm.
Annual.
Other title: Energy price and expenditure data report.
LATEST 2 YEARS ONLY
Continues: Energy price and expenditure data report ... (State and U.S. total).
1. Energy c onsumption--United States--State s--Statistics--Periodicals. 2. Fuel--Prices--

23 JAN 95 11490280 TLBAsc SEE NEXT CARD

ENGINEERING DESIGN.

TA
174
.A43
1991

American Institute of Aeronautics and Astronautics. Technical Committee on Multidisciplinary Design Optimization.
White paper on current state of the art / AIAA Technical Committee on Multidisciplinary Design Optimization. -- 50 p. : ill. ; 28 cm.
ISBN 1-56347-021-7

1. Engineering design. 2. Mathematical optimization.

31 JAN 95 25323775 TLBAsc

ENGINEERING GEOLOGY--INSTRUMENTS.

HE
131
.T687r
no.1432

Innovations in instrumentation and data acquisition systems. -- Washington, D.C. : National Academy Press, 1994.
v, 105 p. : ill. ; 28 cm. --
(Transportation research record ; 1432)
ISBN 0-309-05514-8

1. Engineering geology--Instruments. 2. Automatic data collection systems. 3. Roads--Maintenance and repair--Data processing.

06 JAN 95 31692909 TLBAsc

EXERCISE.

RA
781
.B34
S62
1994

Bailey, Covert.
Smart exercise : burning fat, getting fit / Covert Bailey. -- Boston : Houghton Mifflin, 1994.
xi, 292 p. : ill. ; 24 cm.
ISBN 0-395-47043-8

1. Exercise. 2. Physical fitness.

19 DEC 94 29844549 TLBAsc 94-1667

FERRIES--ECONOMIC ASPECTS--MASSACHUSETTS.

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Pilsch, Martin C.
The impact of a ferry system upon its communities / prepared by Martin C. Pilsch, Jr. & Andrew Lawrence Held ; prepared for the Office of Technical Assistance and Safety, Federal Transit Administration, U.S. Department of Transportation. -- Washington, D.C. : Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
140 p. : ill. ; 28 cm.
STRN: FTA-MA-06-0197-94-1

Rev-1 11-22-94 TLBAsc SEE NEXT CRD

FERRIES--MASSACHUSETTS--CHARLES RIVER.

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LaBranche, Nancy A.
The feasibility of waterborne passenger transportation along Boston's Charles River / prepared by Nancy A. LaBranche and Martin C. Pilsch. -- Washington, DC : The Office of Technical Assistance and Safety, Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
98 leaves in various foliations : ill., maps ; 28 cm.
STRN: FTA-MA-06-0197-02-06
1. Ferries--Massachusetts--Charles River. 2. Ferries--Massachusetts--Boston. 3. W ater taxis--Massachusetts --Charles River. 4. Water taxis--Massachusetts--Boston.

Rev-1 11-30-94 TLBAsc

FERRIES--UNITED STATES--CASE STUDIES.

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Norris, Charles R.
Assessment of ferries as alternatives to land-based transportation / prepared by Charles R. Norris. -- Washington, DC : The Office of Technical Assistance and Safety, Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
3 v. : ill., maps ; 28 cm.
STRN: FTA-MA-06-0197-01-03

1. Ferries--United States--Case studies. 2. Ferries--Government policy--United States.

Rev-1 TLBAsc

FREIGHT AND FREIGHTAGE.

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Freight transportation research. -- Washington, D.C. : National Academy Press, 1994.
v, 49 p. : ill. ; 28 cm. --
(Transportation research record, ISSN 0361-1881 ; no. 1430)
ISBN 0-309-05508-3

1. Freight and freightage. 2. Hazardous substances--Transportation.

06 JAN 95 31007651 TLBAsc

GASOLINE--ANTI-KNOCK AND ANTI-KNOCK MIXTURES.

TP
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England-Joseph, Judy A.
Gasoline marketing : consumers may not be receiving the octane they are paying for or may be unnecessarily buying premium gasoline / statement of Judy England-Joseph, Associate Director, Energy Issues, Resources, Community, and Economic Development Division before the Subcommittee on Energy and Power, Committee on Energy and Commerce, House of Representatives. -- Washington, DC : The Office, 1991.
[16] leaves ; 28 cm.
1. Gasoline--Anti-knock and anti-knock mixtures. 2. Consumer protection--United States.

06 JAN 95 26017318 TLBAsc

GEOGRIDS--PENNSYLVANIA.

TA
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1994

Hughes, John J.
Slope stabilization using "geoweb confinement system" / by John J. Hughes. -- [Harrisburg, Pa.] : Pennsylvania Department of Transportation, Bureau of Construction and Materials, Materials and Testing Division, Engineering Technology Section, Evaluations and Research Unit, [1994]
26 leaves in various paginations : ill. ; 28 cm.

1. Geogrids--Pennsylvania. 2. Geotextiles. 3. Embankments.

Rev-1 12-27-94 TLBAsc

GLOBAL POSITIONING SYSTEM.

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United States. General Accounting Office.
Global positioning technology : opportunities for greater federal agency joint development and use : report to Congressional requesters / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
28 p. : ill., map ; 28 cm.

1. Global Positioning System. 2. Artificial satellites in navigation--Government policy--United States.

06 JAN 95 31406646 TLBAsc

GLOBAL WARMING.

KF
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1993

United States. Congress. House. Committee on Energy and Commerce. Subcommittee on Energy and Power.
Global warming : hearings before the Subcommittee on Energy and Power of the Committee on Energy and Commerce, House of Representatives, One Hundred Third Congress, first session. -- Washington : U.S. G.P.O. : For sale by the U.S. G.P.O., Supt. of Docs., Congressional Sales Office, 1993-
v. : ill. ; 23 cm.
ISBN 0-16-041341-9 (pt.1)
1. Global warming. 2. Greenhouse effect, Atmospheric. 3. Energy policy --United States.

Rev-1 TLBAsc

HIGH OCCUPANCY VEHICLE LANES--DESIGN AND CONSTRUCTION.

HE
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Design features of high-occupancy vehicle lanes : an informational report / by ITE Technical Council Committee 5C-11 ; Timothy J. Lomax, chairperson. -- Washington, D.C. : Institute of Transportation Engineers, c1992.
vi, 34 p. : ill. ; 28 cm. -- (ITE publ. ; no. IR-055)

1. High occupancy vehicle lanes--Design and construction. 2. Bus lanes --Design and construction.

31 JAN 95 26579576 TLBAsc

HIGH OCCUPANCY VEHICLE LANES--TEXAS--EVALUATION.

HE
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Henk, Russell H.
An evaluation of high-occupancy vehicle lanes in Texas / by Russell H. Henk, Daniel B. Morris and Dennis L. Christiansen. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
252 p. in various pagings : ill., maps ; 28 cm. -- (Research report ; 1146-6F)
STRN: FHWA/TX-94/1146-6F
1. High occupancy vehicle lanes--Texas--Evaluation. 2. Bus lanes--Texas--Evaluation. 3. Traffic flow--Texas.

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HIGH SPEED TRAINS--SAFETY MEASURES.

TF
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Bing, Alan J.
Safety of high speed magnetic levitation transportation systems: comparison of U.S. and foreign safety requirements for application to U.S. maglev systems / Alan J. Bing (Arthur D. Little, Inc.) ... [et al.]. -- Washington, DC : U.S. Dept. of Transportation, Federal Railroad Administration, Office of Research and Development ; Springfield, Va. : Available through the National Technical Information Service, [1993]
1 v. various pagings : ill. ; 28 cm.
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HIGH SPEED TRAINS--SAFETY MEASURES.

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Whitten, Brian T.
X2000 U.S. demonstration vehicle dynamics trials, preliminary test report / U.S. Department of Transportation, Federal Railroad Administration, Office of Research and Development. -- Washington, D.C. : Federal Railroad Administration, Office of Research and Development, [1993]
100 p. in various pagings : ill. ; 28 cm.
STRN: DOT/FRA/ORD-93/13
1. High speed trains--Safety measures. 2. High speed trains--Dynamics. 3. High speed ground transportation--Safety measures.

Rev-1 2-1-95 TLBAsc

HIGHWAY COMMUNICATIONS--TEXAS--HOUSTON.

TE
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Smalley, Dennis G.
A public/private sector partnership to provide traffic information by cellular telephone reports / by Dennis G. Smalley and William R. McCasland. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
77 p. in various pagings : ill., maps ; 28 cm. -- (Research report ; 1941-1)
STRN: TX-94/1941-1
1. Highway communications--Texas--Houston. 2. Traffic flow--Texas--Houston. 3. Traffic congestion--Texas --Houston. 4. Cellular radio--Texas--Houston.

30 NOV 94 30880845 TLBAsc

HIGHWAY DEPARTMENTS--INFORMATION SERVICES--HANDBOOKS, MANUALS, ETC.

HE
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Frank Wilson & Associates.
Public outreach handbook for departments of transportation / Frank Wilson & Associates, Inc. -- Washington, D.C. : National Academy Press, 1994.
37 p. ; 28 cm. -- (Report / National Cooperative Highway Research Program ; 364)
ISBN 0-309-05363-3

1. Highway departments--Information services--Handbooks, manuals, etc. 2. Public relations--Transportation--Handbooks, manuals, etc.

06 JAN 95 30889824 TLBAsc 94-60890

HIGHWAY DEPARTMENTS--UNITED STATES--STATES--STATISTICAL SERVICES--PLANNING.

TE
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1992

A Survey of states' current multimodal data collection / prepared by the Standing Committee on Planning, Subcommittee on Planning Data Management of the American Association of State Highway and Transportation Officials. -- Washington, DC : The Association, [1992]
5, [8], 10 p. : form ; 28 cm.

1. Highway departments--United States--States--Statistical services--Planning.

30 DEC 94 28652143 TLBAsc

ILLINOIS CENTRAL RAILROAD COMPANY--HISTORY.

TF
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1994

Stagner, Lloyd E., 1923-
Illinois Central steam finale : 1936-1960 / Lloyd E. Stagner and Stephen A. Lee. -- David City, NE (P.O. Box 163, David City 68632) : South Platte Press, c1994.
108 p. : ill., maps ; 28 cm.
ISBN 0-942035-28-3

1. Illinois Central Railroad Company--History. 2. Locomotives--United States--History. 3. Railroads--Illinois--History.

Rev-1 12-23-94 TLHAsc

HIGHWAY PLANNING--ENVIRONMENTAL ASPECTS--UNITED STATES.

TE
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United States. General Accounting Office.
Highway planning : agencies are attempting to expedite environmental reviews, but barriers remain : report to the Chairman, Subcommittee on Transportation, Committee on Appropriations, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
30 p. : ill., form ; 28 cm.
1. Highway planning--Environmental aspects--United States. 2. Environmental impact statements--United States . 3. Environmental impact analys is--United States.

06 JAN 95 30930945 TLBAsc

INSURANCE, AVIATION--UNITED STATES--FINANCE.

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United States. General Accounting Office.
Aviation insurance : federal insurance program needs improvements to ensure success : report to Congressional committees / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
20 p. : ill. ; 28 cm.
1. Insurance, Aviation--United States--Finance. 2. Insurance, Government--United States--Finance. 3. Insurance--War risks--Government policy--Unite d States.

13 JAN 95 30861046 TLBAsc

HIGHWAY RESEARCH--UNITED STATES.

TE
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Anderson, Patsy Pratt.
A study of benefits, accomplishments, and resource needs of the Local Technical Assistance Program / [Patsy Pratt Anderson]. -- [Washington, D.C.] : U.S. Dept. of Transportation, Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
v, 41 p. : ill., map ; 28 cm.
SIRN: FHWA-SA-94-037

1. Highway research--United States. 2. Highway engineering--United States--Technological innovations. 3. Technology transfer--United States.

22 DEC 94 30775915 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--ARIZONA.

TE
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1991

Hill, Christopher.
The ENTERPRISE program : Evaluating New Technologies for Roads Program Initiatives in Safety and Efficiency / prepared by Chrisopher Hill, Neil Emmott. -- Phoenix, Ariz. : Arizona Dept. of Transportation, [1991]
1 v. (various pagings) : ill., maps ; 28 cm.
SIRN: FHWA-AZ94-356-2

1. Intelligent Vehicle Highway Systems--Arizona. 2. Traffic engineering--Arizona.

07 DEC 94 31278455 TLBAsc

HYDRODYNAMICS--COMPUTER PROGRAMS.

TC
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1987

Margerie, Sylvain de.
Development of hydrodynamic model in Cumberland Basin for tidal power applications / Sylvain de Margerie and Dave DeWolfe. -- [Wolfsville, N.S.] : Acadia University Institute, 1987.
viii, 98, [2] leaves : ill. ; 28 cm. -- (The Acadia University Institute ; no. 34)

1. Tidal power-plants--Environmental aspects--Nova Scotia--Cumberland Basin. 2. Hydrodynamics--Computer programs.

Rev-1 12-13-94 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--MASSACHUSETTS--BOSTON METROPOLITAN AREA.

Oversize
TE
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1994

Intelligent vehicle highway systems strategic deployment plan for Metropolitan Boston : final report / prepared for the Commonwealth of Massachusetts Executive Office of Transportation and Construction and Massachusetts Highway Dept.; by JHK & Associates. -- [Boston, Mass.] : JHK & Associates, 1994.
1 v. (various pagings) : ill., maps ; 30 cm.
1. Intelligent Vehicle Highway Systems--Massachusetts--Boston Metropolitan Area. 2. Highway communications--Massachusetts--Boston Metropolitan Area.

30 JAN 95 31904307 TLHAsc

JET TRANSPORTS--PLANNING.

UG
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1994

United States. General Accounting Office.
Airlift requirements : commercial freighters can help meet requirements at greatly reduced cost : report to Congressional requesters / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
15 p. : ill. ; 28 cm.
1. C-17 (Jet transport) 2. Jet transports--Planning. 3. United States--Armed Forces--Mobilization. 4. Military planning--United States.

13 JAN 95 30834895 TLBAsc

LEFT-TURN LANES--CALIFORNIA--ORANGE COUNTY--EVALUATION.

HE
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1994

Leonard, John D.
Triple left-turns : an analysis of capacity and other issues / prepared by John D. Leonard II. -- Irvine, Calif. : Institute of Transportation Studies, University of California, Irvine ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
v, 30 p. : ill. ; 28 cm. -- (UCI-ITS-RR, ISSN 0193-5860 ; 94-2)
1. Highway capacity--California--Orange County. 2. Left-turn lanes--California--Orange County--Evaluation. 3. Traffic estimation--California--Orange County. 4. Traffic flow--California--O range County.

94 30622321 TLBAsc

LOCAL TRANSIT--FARES

Oversize
HE
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1994

Oram, Richard L.
Implementation experience with deep discount fares / Richard L. Oram [Oram Associates] ; Research and Special Programs Administration, Volpe National Transportation Systems Center. -- Washington, DC : U.S. Dept. of Transportation, Federal Transit Administration ; Springfield, VA : available to the public through the National Technical Information Service , [1994].
viii, 74 p. : ill. ; 29 cm.
1. Local transit--Fares 2. Local transit--Marketing 3. Local transit--United States--Marketing. 4. Local transit--Unit ed States--Fares.

94 31381634 TLBAsc

LOCAL TRANSIT--RIDERSHIP.

HE
4213
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1994

Transit ridership initiative : TCRP J-6 program / prepared for Transit Cooperative Research Program by Cambridge Systematics. -- 1994
76 p. ; 28 cm.

1. Local transit--Ridership.

94 31383191 TLBAsc

LOCOMOTIVES--MAINTENANCE AND REPAIR.

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Buell, D. C.
Basic steam locomotive maintenance. -- Omaha, Neb. (1809 Capitol Ave., Omaha 68102) : Simmons-Boardman Publishing, c1980.
333 p. : ill. : 24 cm.

1. Locomotives--Maintenance and repair.

94 31720821 TLBAsc

LOWELL NATIONAL HISTORICAL PARK (MASS.)

F
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1990

Preservation plan amendment / Lowell Historic Preservation Commission, U.S. Department of the Interior, Lowell, Massachusetts. -- Lowell, Mass. : The Commission, [1990]
84 p., [4] : ill., maps, folded, 21 x 28 cm.

1. Lowell National Historical Park (Mass.) 2. Historic buildings--Massachusetts--Lowell--Conservation and restoration. 3. Lowell (Mass.)--Buildings, structures, etc. 4. Historic preservation--Massachusetts--Lowell.

94 31265864 TLBAsc

MANAGEMENT INFORMATION SYSTEMS--PLANNING.

JK
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1992

United States. General Accounting Office.
Strategic information planning : framework for designing and developing system architectures : staff study / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20877) : The Office [distributor, 1992]
36 p. : ill. ; 28 cm.

1. Management information systems--Planning. 2. Federal government--Information services--United States--Planning.

06 JAN 95 26032734 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--OPERATIONS.

Oversize
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1993

Massachusetts Bay Transportation Authority.
I reporter's guide to the MBTA / Massachusetts Bay Transportation Authority. -- Boston, Mass. : Massachusetts Bay Transportation Authority, c1993.
1 v. (loose-leaf) : ill., maps ; 30 cm.

1. Transportation--Massachusetts--Boston Metropolitan Area. 2. Massachusetts Bay Transportation Authority--Operations.

MASSACHUSETTS TURNPIKE (MASS.)

HE
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A34
1992

Air rights study : implementation guidelines / prepared for the Massachusetts Turnpike Authority; by Parsons Brinckerhoff Quade and Douglas, Inc. ... [et al.]. -- [Boston, Mass.] : Parsons Brinckerhoff Quade and Douglas, 1992.
1 v. (various pagings) ; 28 cm.

1. Massachusetts Turnpike (Mass.) 2. Express highways--Massachusetts--Airspace utilization. 3. Roads--Right of way--Multiple use--Massachusetts. 4. City planning--Massachusetts--Boston. 5. Express highways--Airspace utilization.

Rev-1 2-9-95 TLBAsc

MASSACHUSETTS TURNPIKE (MASS.)

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1994

High occupancy vehicle lane feasibility study / prepared for Massachusetts Turnpike Authority; by URS Consultants in association with Howard/Stein Hudson Associates, Inc. & KM Chng Environmental, Inc. -- [Boston, Mass.] : URS Consultants, 1994.
175 p., [117] p., 54 leaves (some folded) : ill., maps, plans ; 28 cm.

1. Massachusetts Turnpike (Mass.) 2. High occupancy vehicle lanes--Massachusetts.

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METEOROLOGY IN AERONAUTICS--UNITED STATES.

TL
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1991

Turner, John.
Sources and air carrier use of aviation weather information / John Turner, M. Stephen Huntley, Jr. -- Washington, D.C. : Federal Aviation Administration, Flight Standards Service ; Springfield, Va. : Available through the National Technical Information Service, [1991]
58 p. in various pagings ; 28 cm.
STRN: DOT/FAA/FS-91/1

1. Meteorology in aeronautics--United States. 2. Weather forecasting--United States. 3. Airlines--United States.

24185806 TLBAsc

PAVEMENTS, ASPHALT CONCRETE--CRACKING.

TE
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1994

Jenq, Yeou-Shang.
Performance evaluation of fiber reinforced asphalt concrete / prepared by Yeou-Shang Jenq and Pei Liu. -- Columbus, Ohio : Ohio State University, Dept. of Civil Engineering ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
x, 145 p. : ill. ; 28 cm.
STRN: FHWA/OH-94/018

1. Pavements, Asphalt concrete--Cracking. 2. Asphalt concrete--Additives. 3. Polyester fibers. 4. Pavements--Performance.

13 JAN 95 31775989 TLBAsc

PAVEMENTS, ASPHALT CONCRETE--DESIGN AND CONSTRUCTION.

TE
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1994

A System for calibration of the Marshall compaction hammer / [H. Shenton ... et al.]. -- McLean, Va. : Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
viii, 139 p. : ill. ; 28 cm.

1. Pavements, Asphalt concrete--Design and construction. 2. Pavements, Asphalt concrete--Testing. 3. Compacting--Equipment and supplies--Calibration.

30888893 TLBAsc

PAVEMENTS, ASPHALT--GEORGIA--RECYCLING.

TE
270
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P47
1994

Kandhal, Prithvi S.
Performance of recycled mixtures in state of Georgia / by Prithvi S. Kandhal, Shridhar S. Rao, Brad Young. -- [Atlanta] : Georgia Dept. of Transportation, Office of Materials & Research, Research and Development Branch, [1994]
iv, 101 p. : ill. ; 28 cm.
STRN: FHWA-GA-94-9209

1. Pavements, Asphalt--Georgia--Recycling. 2. Pavements, Asphalt--Georgia--Testing.

31061836 TLBAsc

PAVEMENTS, ASPHALT--RECYCLING.

TE
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1993

A Study of the use of recycled paving material : report to Congress : as specified in the Intermodal Surface Transportation Efficiency Act of 1991, Section 1038(b) / U.S. Department of Transportation, Federal Highway Administration. -- [Washington, D.C] : Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
v, 34 p. ; 28 cm.
STRN: FHWA-RD-93-147
1. Pavements, Asphalt--Recycling. 2. Waste products as road materials. 3. Road materials.

28545642 TLBAsc

PAVEMENTS, ASPHALT--TESTING.

TE
270
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1994

Brown, Elton R.
Asphalt content determination by the ignition method / by Elton R. Brown and Nicholas E. Murphy. -- Montgomery, Ala. : Alabama Dept. of Transportation, Bureau of Research and Development, [1994]
xiv, 218 p. : ill. ; 28 cm. -- (HPR report ; 110B.)
STRN: FHWA/AL-110B

1. Pavements, Asphalt--Testing. 2. Aggregates (Building materials)--Testing.

13 JAN 95 31366159 TLBAsc

PAVEMENTS, ASPHALT--TESTING.

TE
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1994

Jeng, Yeou-Shang.
Precision of biodegradable solvents in determining asphalt content and aggregate gradation / prepared by Yeou-Shang Jeng and SangChel Kim. -- Columbus, Ohio : Ohio State University, Dept. of Civil Engineering ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xii, 87 leaves : ill. ; 28 cm.
STRN: FHWA/OH-94/021

1. Pavements, Asphalt--Testing. 2. Aggregates (Building materials)--Testing. 3. Solvents.

13 JAN 95 31784182 TLBAsc

PAVEMENTS, CONCRETE--CRACKING--MATHEMATICAL MODELS.

TE
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1991

Predicting cracking tendencies in mass concrete / by Fernando E. Fagundo ... [et al.]. -- [Gainesville, Fla.] : University of Florida, College of Engineering, Engineering and industrial Experiment Station, Dept. of Civil Engineering, 1991.
xii, 165 p. : ill. ; 28 cm.
STRN: FL/DOT/RMC/0561/3508

1. Pavements, Concrete--Cracking--Mathematical models. 2. Pavements, Concrete--Effect of temperature on. 3. Thermal analysis.

13 JAN 95 31184570 TLBAsc

PAVEMENTS, CONCRETE--MAINTENANCE AND REPAIR.

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McGhee, Kenneth H.
Portland cement concrete resurfacing / Kenneth H. McGhee. -- Washington, D.C. : National Academy Press, 1994.
46 (20) p. : ill. ; 28 cm. -- (NCHRP synthesis 204)
ISBN 0-309-05662-4

1. Pavements, Concrete--Maintenance and repair.

20 JAN 95 31767920 TLBAsc 94-61135

PAVEMENTS--DESIGN AND CONSTRUCTION.

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Gramling, W. L.
Current practices in determining pavement condition / Wade L. Gramling. -- Washington, D.C. : National Academy Press, 1994.
57 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 203)
ISBN 0-309-05661-6

1. Pavements--Design and construction. 2. Pavements--Maintenance and repair--Management. 3. Pavements--Performance.

14 FEB 95 31852572 TLBAsc 94-61134

PAVEMENTS--OVERLAYS.

TE
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1994

Ramirez, Timothy L.
Evaluation of Ralumac as a wearing course / prepared by Timothy L. Ramirez. -- [Harrisburg, Pa.] : Pennsylvania Department of Transportation, Bureau of Construction and Materials, Materials and Testing Division ; [Springfield, VA : Available through the National Technical Information Service, 1994]
86 p. in various pagings : ill. ; 28 cm.
STRN: FHWA/PA-93-007+89-61
1. Pavements--Overlays. 2. Pavements--Additives--Evaluation. 3. Pavements--Skid resistance--Testing.

13 FEB 95 31061686 TLBAsc

PAVEMENTS--OVERLAYS.

TE
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1994

Hassan, Raza.
Surface rehabilitation techniques : state of the practice : design, construction, and performance of micro-surfacing / [Hassan Raza]. -- Washington, D.C. : U.S. Dept. of Transportation, Federal Highway Administration, Office of Technology Applications ; [Springfield, Va. : Available through the National Technical Information Service, [1994]
58 p. : ill. ; 28 cm.
STRN: FHWA-SA-93-051
1. Pavements--Overlays. 2. Pavements--Maintenance and repair. 3. Asphalt emulsion mixtures.

94 30725646 TLBAsc

PAVEMENTS, REINFORCED CONCRETE--MAINTENANCE AND REPAIR--DATA PROCESSING.

TE
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U62
1993

Dossey, Terry.
Updating and maintaining the rigid pavement condition survey database for TxDOT / by Terry Dossey, B.F. McCullough, W.R. Hudson ; conducted for the Texas Department of Transportation. -- Austin : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
ix, 16 p. ; 28 cm. -- (Research report ; 187-21 Task 7)
STRN: FHWA/TX-94+187-21 Task 7

06 JAN 95 30137713 TLBAsc SEE NEXT CRD

PEDESTRIAN AREAS--CALIFORNIA.

TE
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1994

Evaluation of marked and unmarked crosswalks at intersections in California : final report / by A. Reed Gibby ... [et al.]. -- Chico, CA : California State University, Chico, Dept. of Civil Engineering, [1994]
v, 66 p. ; 28 cm.
STRN: FHWA/CA/TO-94/1

1. Pedestrian areas--California. 2. Road markings--Evaluation. 3. Pedestrian accidents--California. 4. Roads--California--interchanges and intersections.

94 31203792 TLBAsc

PLANING HULLS.

VM
761
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E43
1994

Lewandowski, Edward M.
The effects of aspect ratio, section shape, and Reynolds number on the lift and drag of a series of model control surfaces / Edward M. Lewandowski. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1994]
x, 66, A6, B1 p. : ill. ; 28 cm.
SIRN: CG-D-13-94

1. Planing hulls. 2. Ships--Hydrodynamics.

13 FEB 95 31049170 TLBAsc

POOR--HOUSING--MASSACHUSETTS--BOSTON METROPOLITAN AREA--STATISTICS.

HD
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1991

Alland, Judith C.
Poor people and the housing crisis : a brief analysis of the American housing survey for the Boston Metropolitan area in 1985. -- Boston, MA (60 Temple Pl., Boston 02111) : Metropolitan Area Planning Council, [1991]
1 v. (unpaged) : ill. ; 28 cm.

1. Poor--Housing--Massachusetts--Boston Metropolitan Area--Statistics.

10 JAN 95 25629684 TLBAsc 91-622810

PRIVATIZATION--MASSACHUSETTS.

REF.
HD
3865
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1993

Privatization in Massachusetts : getting results / Commonwealth of Massachusetts, Executive Office for Administration and Finance. -- Boston, Mass. : The Office, [1993]
69 p. : ill. ; 28 cm.

1. Privatization--Massachusetts.

94 29293883 TLBAsc 94-620648

PRIVATIZATION--TEXAS.

HE
336
.T64
093
1994

An Overview of highway privatization / by Mark Allen Euritt ... [et al.] ; conducted for the Texas Department of Transportation by the Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin. -- [Austin] : Center for Transportation Research, University of Texas ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
ix, 66 p. : charts ; 28 cm. -- (Research report ; 1281-1)
SIRN: FHWA/TX-94+1281-1
1. Toll roads--Texas. 2. Roads--Texas--Finance. 3. Privatization--Texas.

94 31471747 TLBAsc

RAILROADS--NORTHEASTERN STATES.

HE
2761
.N67
E97
1994

Kuttner, William S.
Extension of the northeast corridor via Logan Airport : an evaluation / William S. Kuttner. -- [Boston, Mass.] : Central Transportation Planning Staff, 1994.
48, [39] p. : ill., maps ; 28 cm.

1. Railroads--Massachusetts--Boston--Design and construction. 2. Logan International Airport (Mass.) 3. Railroads--Northeastern States.

94 31117845 TLBAsc

RAILROADS--NORTHEASTERN STATES--ELECTRIFICATION

HE
2761
.N67
E434
1994

Final environmental impact statement/report and 4(f) statement : Northeast corridor improvement project electrification-New Haven, CT to Boston, MA. -- Washington, D.C. : U.S. Dept. of Transportation, Federal Railroad Administration, Northeast Corridor Project, 1994.
4 v. : maps, plans ; 28 cm.
1. Railroads--Northeastern States--Electrification 2. Railroads--Northeastern States--Passenger traffic. 3. Railroads--Electrification. 4. Northeast Corridor Improvement Project (U.S.) 5. High speed ground transportation--Northeastern States.

94 31697257 TLBAsc

RAILROADS--NORTHEASTERN STATES--ELECTRIFICATION.

HE
2761
.N67
T72
1994

The Northeast Corridor transportation plan, New York City to Boston : report to Congress / Federal Railroad Administration, Office of Railroad Development. -- [Washington, D.C. : Federal Railroad Administration, Office of Railroad Development], 1994.
2 v. : ill., maps ; 28 cm.

1. Railroads--Northeastern States. 2. Railroads--Northeastern States--Electrification. 3. Railroads--Northeastern States--Passenger traffic.

Rev-1 TLBAsc

RAILROADS--RESEARCH--UNITED STATES--CONGRESSES.

HE
131
.T687cp
no.2

Railroad freight transportation research needs : proceedings of a conference, Bethesda, Maryland, July 12-14, 1993 / sponsored by Transportation Research Board, American Association of Railroads, Federal Railroad Administration. -- Washington, D.C. : National Academy Press, 1994.
v, 149 p. : ill. ; 28 cm. -- (Conference proceedings / Transportation Research Board, National Research Council, ISSN 1073-1652 ; 2)
ISBN 0-309-05503-2
1. Railroads--Research--United States--Congresses.

06 JAN 95 31436912 TLBAsc 94-215070r94

REDUCING EXERCISES.

A-V
RA
781.6
.B34
F573
1990

Bailey, Covert.
The fit or fat woman [sound recording] / Covert Bailey. -- Auburn, CA : Audio Partners, p1990.
1 sound cassette (67 min.) : analog, mono ; 1 7/8 ips.
ISBN 0-945353-76-6

1. Reducing exercises. 2. Exercise for women. 3. Women--Health and hygiene.

94 27835365 TLBAsc

RIDESHARING--MASSACHUSETTS--BOSTON METROPOLITAN AREA.

Oversize
HE
5620
.R53
T56
1993

Thomason, Camille.
Era of urban highway reconstruction--Boston and the Central Artery/Tunnel : will TMAs have a role in maintaining access during construction? / by Camille Thomason. -- c1993.
145 leaves : ill., maps ; 29 cm.

1. Ridesharing--Massachusetts--Boston Metropolitan Area. 2. Central Artery (Boston, Mass.) 3. Third Harbor Tunnel (Boston, Mass.)

Rev-1 TLBAsc

ROAD CONSTRUCTION CONTRACTS.

TE
180
.M33
C66
1994

McFarland, William F.
Comparison of contracting stategies for reducing project construction time / by William F. McFarland, Richard J. Kabat and Raymond A. Krammes. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xviii, 65 p. ; 28 cm. -- (Research report ; 1310-1F)
STRN: FHWA/TX-94/1310-1F

1. Roads--Design and construction. 2. Road construction contracts.

13 JAN 95 31130122 TLBAsc

ROAD DRAINAGE.

HE
131
.T687n
no.367

Koerner, Robert M., 1933-
Long-term performance of geosynthetics in drainage applications / Robert M. Koerner [et al.]. -- Washington, D.C. : National Academy Press, 1994.
54 p. : ill. ; 28 cm. -- (NCHRP report ; 367)
ISBN 0-309-05367-6

1. Road drainage. 2. Subsurface drainage. 3. Geotextiles. 4. Geosynthetics.

31687102 TLBAsc 94-61112

ROAD DRAINAGE--WEST (U.S.)--CONGRESSES.

TE
215
.W47
1993

Western States Drainable PCC Pavement Workshop (1993 : Sacramento, Calif.)
Western States Drainable PCC Pavement Workshop : summary report / U.S. Department of Transportation, Federal Highway Administration. -- [Washington, D.C.] : U.S. Federal Highway Administration, [1993]
ix, 153 p. : ill. (some col.) ; 28 cm.
STRN: FHWA-SA-94-045
1. Road drainage--West (U.S.)--Congresses. 2. Pavements, Concrete--Design and construction--Congresses. 3. Pavements--West (U.S.)--Maintenance and repair--C ongresses.

94 30766514 TLBAsc

ROAD MARKINGS--EVALUATION.

TE
203
.D38
C66
1993

Davis, Thomas D.
Construction zone delineation : special geometric situations / by Thomas D. Davis. -- Trenton, NJ : New Jersey Dept. of Transportation, Bureau of Transportation Systems Research, 1993.
v, 62 p. : ill. ; 28 cm.

1. Road construction--New Jersey--Safety measures. 2. Traffic safety--New Jersey. 3. Road markings--Evaluation. 4. Road construction--Safety measures.

22 FEB 95 32030832 TLBAsc

ROADS--DESIGN AND CONSTRUCTION--AUTOMATION.

TE
175
.L36
E92
1993

Landphair, Harlow C.
Evaluation and development of visualization technology for highway transportation / by Harlow Landphair and Terry Larsen. -- Rev. June 1993. -- College Station, TX : Texas Transportation Institute, Texas A & M University ; [Springfield, Va. : available through NTIS, 1993]
v, 77 p. : ill. ; 28 cm. -- (Research report ; 1284-1F)

1. Roads--Design and construction--Automation. 2. Computer-aided design. 3. Traffic engineering--Automation. 4. Highway engineering--Automation.

18 JAN 95 30741777 TLBAsc

ROADS--GUARD FENCES--MATERIALS.

TE
228.2
.Y4
C52
1994

Ye, Binshan.
Characteristics of glass fiber-reinforced composite materials for use in roadside safety barriers / [Binshan Ye]. -- McLean, Va. : U.S. Dept. of Transportation, Federal Highway Administration, [Office of Safety and Traffic Operations R&D ; Springfield, Va. : Available through the National Technical Information Service, 1994]
v, 62 p. : ill. ; 28 cm.
STRN: FHWA-RD-94-048

1. Roads--Guard fences--Materials. 2. Fiber reinforced plastics--Testing. 3. Composite materials--Testing.

31 JAN 95 30912366 TLBAsc

ROADS--GUARD FENCES--TESTING.

TE
228.2
.R68
V43
1993

Rowhani, Payam.
Vehicle crash tests of a thrie beam barrier terminal : report / prepared by Payam Rohani. -- [Sacramento] : California Dept. of Transportation, Division of New Technology, Materials and Research ; [Springfield, VA : Available through the National Technical Information Service, 1993]
46, [34] p., [4] leaves of folded plates : ill. ; 28 cm.
STRN: FHWA/CA/TL-93/19

1. Roads--Guard fences--Testing. 2. Roads--Crash cushions--Testing.

94 30912396 TLBAsc

ROADS--INTERCHANGES AND INTERSECTIONS.

TE
175
.B67
A22
1994

Botha, Jan L.
Acceleration lanes for turning vehicles at rural intersections / by Jan L. Botha, Peter McKean and Willis Cheng. -- San Jose, Calif. : San Jose State University, Dept. of Civil Engineering and Applied Mechanics, [1994]
223 p. : ill. ; 28 cm.
STRN: SJSU-1-RR-94-1

1. Roads--Interchanges and intersections. 2. Rural roads. 3. Left turn lanes.

06 JAN 95 31603354 TLBAsc

ROADS--INTERCHANGES AND INTERSECTIONS.

TE
176
.L46
S86
1994

Leonard, John D.
Superelevation rates at rural highway intersections / prepared by John D. Leonard, Doug P. Bilse, Wilfred W. Kecker. -- Irvine, Calif. : University of California, Institute of Transportation Studies, [1994]
vii, 147 leaves : ill. ; 28 cm. -- (UCI-ITS-RR, ISSN 0193-5860 ; 94-1)
STRN: KTA-53P434

1. Roads--Interchanges and intersections. 2. Trucks--Dynamics. 3. Truck accidents.

94 29812194 TLBAsc

ROADS--MASSACHUSETTS--RIGHT OF WAY.

HE
356
.M4
Z53
1979

Ziering, Eric Adam.
Framework for the development of a Massachusetts state highway access policy / by Eric Adam Ziering. -- 1979.
150 leaves : ill., charts, form ; 28 cm.

1. Roads--Massachusetts--Right of way. 2. Highway law--Massachusetts. 3. Driveways. 4. Land use--Massachusetts--Planning.

Rev-1 TLBAsc

ROADSIDE FLORA--TEXAS.

TE
178.8
.H38
E58
1992

Hauser, Danise S.
Environmental impact statement on TxDOT's pest management program / Danise S. Hauser, Wayne G. McCully. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System, [1992]
iii, 10 p. ; 28 cm. -- (Research report ; 1933-1)

1. Roadside flora--Texas. 2. Herbicides--Texas. 3. Pesticides--Texas. 4. Roadside improvement--Texas. 5. Environmental impact analysis--Texas.

06 JAN 95 27488734 TLBAsc

ROUTE 146 (MASS.)

HE
356
.M4146
R4512
1993

Air quality analysis - Route 146/ Massachusetts Turnpike Interchange Project / prepared for Massachusetts Highway Department and Massachusetts Turnpike Authority ; prepared by Tech Environmental, Inc. -- Waltham, Mass. : Tech Environmental, 1993.
1 v. in various pagings : tables ; 28 cm.

1. Air quality--Massachusetts--Worcester. 2. Route 146 (Mass.) 3. Massachusetts Turnpike (Mass.) 4. Air quality--Massachusetts--Millbury. 5. Highway relocation.

Rev-1 2-13-95 TLBAsc

ROUTE 146 (MASS.)

HE
356
.M4146
R4472
1993

Route 146 relocation and MA Turnpike interchange : wetlands functions and values assessment: existing conditions, impacts and mitigation, Worcester and Millbury, MA / Jason M. Cortell and Associates Inc. -- Waltham, Mass. : Cortell Associates, 1993.
1 v. (various pagings) ill., maps, plans, photos ; 28 cm.
1. Route 146 (Mass.) 2. Massachusetts Turnpike (Mass.) 3. Wetlands--Massachusetts Worcester. 4. Wetlands--Massachusetts--Millbury. 5. Highway relocation. 6. Roads--Massachusetts--Worcester--Interchanges and intersect ions. 7. Roads--Massachusetts --Millbury--interchanges and intersections.

13 FEB 95 31973342 TLBAsc

ROUTE 146 (MASS.)

Oversize
HE
356
.M4146
R463
1993

Visual mitigation plan : parkway and gateway concepts / prepared by Cecil & Rizvi, Inc. -- Mass. : Cecil & Rizvi, Inc., 1993.
1 v. : ill. ; 29 x 42 cm.

1. Route 146 (Mass.) 2. Massachusetts Turnpike (Mass.)

14 FEB 95 31000536 TLBAsc

RURAL ROADS--MAINTENANCE AND REPAIR--PENNSYLVANIA.

TE
228.5
.S69
C67
1994

Snyder, Richard R.
Cost effective methods to upgrade unpaved roads. Phase I / prepared by Richard R. Snyder. -- [Harrisburg, Pa.] : Pennsylvania Department of Transportation, Bureau of Construction and Materials, Materials and Testing Division, Engineering Technology Section, 1994.
134 p. in various pagings : ill, maps ; 28 cm.
1. Rural roads--Maintenance and repair--Pennsylvania. 2. Roads--Pennsylvania--Maintenance and repair. 3. Pavements, Bituminous--Maintenance and repair--Pennsylvania. 4. Roads, Gravel--Maint enance and repair. 5. Roads, Earth- -Maintenance and repair.

13 JAN 95 30464301 TLBAsc

RURAL ROADS--PENNSYLVANIA--MAINTENANCE AND REPAIR.

TE
228.5
.S69
C672
1994

Snyder, Richard R.
Cost effective methods to upgrade unpaved roads : phase II / prepared by Richard R. Snyder. -- [Harrisburg] : Pennsylvania Dept. of Transportation, Bureau of Construction and Materials, Materials and Testing Division ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
204 p. in various pagings : ill. ; 28 cm. -- (Research project ; 92-069)
1. Rural roads--Pennsylvania--Maintenance and repair. 2. Pavements, Bituminous--Maintenance and repair. 3. Roads, Earth--Maintenance and repair. 4. Roads, Gra vel--Maintenance and repair.

31 JAN 95 31061740 TLBAsc

RURAL ROADS--UNITED STATES--DESIGN AND CONSTRUCTION.

HE
131
.T687n
no.362

Roadway widths for low-traffic volume roads / C.V. Zegeer ... et al. -- Washington, D.C. : National Academy Press, 1994.
106 p. : ill. ; 28 cm. -- (Report (National Cooperative Highway Research Program) ; 362)
ISBN 0-309-05360-9

1. Rural roads--United States--Design and construction. 2. Low-volume roads --United States--Design and construction. 3. Traffic accidents--United States--Statistics.

06 JAN 95 30874978 TLBAsc 93-61751

SALT MARSH ECOLOGY--CALIFORNIA.

QH
541.5
S244
1993

Gidley, Jeffrey L.
Saltmarsh restoration, rehabilitation, and creation techniques for Caltrans construction projects / research performed by Department of Civil Engineering, U.C. Davis ; contract administration and final report by Jeffrey L. Gidley. -- [Sacramento] : California Dept. of Transportation, Division of New Technology, Materials and Research, [1993]
iii, 19 p. ; 28 cm.
STEN: FHWA/CA/TL-93/12A
1. Salt marsh ecology--California. 2. Salt marshes--California. 3. Roads --Design and construction--Environmental aspects--California.

94 28361886 TLBAsc

SANITARY LANDFILLS--UNITED STATES.

TD
795.7
.G54
S72
1983

Gilman, Edward F.
Standardized procedures for planting vegetation on completed sanitary landfills / by Edward F. Gilman, Franklin B. Flower, Ida A. Leone. -- Cincinnati, Oh. : Municipal Environmental Research Laboratory, Office of Research and Development, U.S. Environmental Protection Agency, 1983.
vii, 38 p. : ill. ; 28 cm.

1. Sanitary landfills--United States. 2. Erosion--United States--Prevention.

94 11063267 TLBAsc

SAVING AND INVESTMENT--UNITED STATES.

HC
110
.S3
I58
1994

Investing for productivity and prosperity / Board on Science, Technology, and Economic Policy, National Research Council. -- Washington, D.C. : National Academy Press, 1994.
42 p. ; 23 cm.

I. Saving and investment--United States.

30653756 TLBAsc

SEARCH AND RESCUE OPERATIONS--MATHEMATICAL MODELS.

VK
1473
.N37
S67
1991

Nash, Louis.
Spring 1985 leeway experiment / Louis Nash and James Wilcox (U.S. Coast Guard Research and Development Center). -- Washington, DC : U.S. Coast Guard, Office of Engineering, Logistics, and Development, [1992]
1 v. (various pagings) : ill. ; 28 cm.
STEN: CG-D-12-92

1. Search and rescue operations--Mathematical models. 2. Winds--Mathematical models. 3. Life rafts--Mathematical models.

94 27165012 TLBAsc

SHEET-METAL WORK--PATTERN-MAKING.

TS
250
.R32
S54
1941

Rabl, Samuel Supplee, 1895-
Ship and aircraft fairing and development, for draftsmen and loftsmen and sheet metal workers, by S. S. Rabl ... Illustrations by the author. New York : Cornell maritime press, 1941.
xii, 90, [7] p. : incl. front., ill., diagrs. ; 22 x 31 cm.

1. Sheet-metal work--Pattern-making. 2. Naval architecture. 3. Airplanes--Design and construction.

22 FEB 95 1578031 TLBAsc 41-51932

SHIPS--FIRES AND FIRE PREVENTION.

VK
1250
.E92
1993

Evaluating shipboard paint and flammable liquid storage lockers / Harold E. Nelson ... [et al.]. -- Washington, DC : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1994] ix/x, 64, A-28, B-4 p. ; 28 cm.
STRN: CG-D-06-94

1. Ships--Fires and fire prevention. 2. Ships--Painting.

13 FEB 95 31603362 TLBAsc

SHIPS--SEAKEEPING.

VM
397
.M33
C62
1994

Macesker, Bert N.
Coast Guard mission data recorder (MDR) for the 47-ft motor lifeboat / Bert N. Macesker, Robert C. Desruisseau, Edward S. Purcell. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1994]
1 v. (various pagings) : ill. ; 28 cm.
STRN: CG-D-20-94
1. Ships--Seakeeping. 2. Life-boats --Evaluation. 3. Government vessels--United States--Evaluation.

13 JAN 95 31695795 TLBAsc

SPEED LIMITS--UNITED STATES.

HE
5620
.S6
H37
1994

Harkey, David L.
Safety impacts of different speed limits on cars and trucks : final report / [David L. Harkey and Rueben Mera]. -- McLean, Va. : Federal Highway Administration ; [Springfield, VA : Available through the National Technical Information Service, 1994]
viii, 59 p. : ill. ; 28 cm.

1. Speed limits--United States. 2. Traffic accidents--United States. 3. Truck accidents--United States.

94 30311476 TLBAsc 94-196980

TELECOMMUNICATION POLICY--UNITED STATES.

HE
7781
.U54
I63
1994

United States. General Accounting Office.
Information superhighway : issues affecting development : report to the Congress / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
76 p. : ill., map ; 28 cm.

1. Telecommunication policy--United States. 2. Telecommunication--United States.

94 31387041 TLBAsc

TOLL ROADS--UNITED STATES--FINANCE.

HE
336
.T64
R44
1993

Reliability of toll road revenue forecasts for selected toll roads in the United States / by Borivoje P. Dedeitch ... [et al.]. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
ix, 85 p. ; 28 cm. -- (Research report ; 1281-2)
STRN: FHWA/TX-94+1286-1
1. Toll roads--United States--Finance. 2. Toll roads--United States --Planning. 3. Traffic estimation--United States

94 31431919 TLBAsc

TRAFFIC CONGESTION.

HE
336
.C64
C67
1993

Congestion management systems : state-of-the-practice-review / authors: Robert A. Hamm ... [et al.]. -- College Station, TX : Texas Transportation Institute ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
xxii, 246 p. : ill. ; 28 cm. -- (Research report / Texas Transportation Institute ; 563-1F)
STRN: FHWA/TX-94/563-1F

1. Traffic congestion. 2. Traffic flow.

Rev-1 1-31-95 TLBAsc

TRAFFIC CONGESTION--UNITED STATES.

HE
336
.C64
S364
1994

Schrank, David L.
Trends in urban roadway congestion--1982 to 1991 / by David L. Schrank, Shawn M. Turner, and Timothy J. Lomax. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
2 v. : ill. ; 28 cm. -- (Research report ; 1131-6)

1. Traffic congestion--United States. 2. Transportation--United States--Planning. 3. Traffic engineering--United States. 4. Traffic flow--United States.

94 31401205 TLBAsc

TRAFFIC CONGESTION--UNITED STAES--PREVENTION.

TD
886
.G84
1994

A Guide to the Congestion Mitigation and Air Quality Improvement Program / U.S. Department of Transportation, Federal Highway Administration. -- [Washington, D.C.] : U.S. Dept. of Transportation, Federal Highway Administration, [1994]
v, 38 p. : ill. ; 23 cm.

1. Traffic congestion--United Staes--Prevention. 2. Air quality management --United States. 3. Air--Pollution--United States. 4. United States. Intermodal Surface Transportation Efficiency Act.

06 JAN 95 29958322 TLBAsc

TRAFFIC ENGINEERING--CONGRESSES.

HE
131
.T687c
no.433

Travel Demand Management Innovation and Research Symposium (1993 : Arlington, Va.)
Travel Demand Management Innovation and Research Symposium : setting a strategic agenda for the future : symposium proceedings : November 15 and 16, 1993, Key Bridge Marriott, Arlington, Virginia : presented by Transportation Research Board, National Research Council ... / editor, Katherine F. Turnbull, Nell Frazer Lindquist. -- Washington, D.C. : [National Academy Press] 1994.
150 p. : ill. ; 28 cm. -- (Transportation research circular ; no. 433)

94 31595549 TLBAsc SEE NEXT CRD

TRAFFIC FLOW--COMPUTER SIMULATION.

HE
336
.T7
B372
1993

Barnes, Kirk E.
An alternative method for analyzing merge/diverge and weaving areas on freeways with four or more directional lanes / Kirk E. Barnes. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
xiii, 45 p. : ill. ; 28 cm. -- (Research report ; 1232-19)
STRN: FHWA/TX-94/1232-19
1. Traffic flow--Computer simulation. 2. Highway capacity. 3. FRESIM (Computer file)

31 JAN 95 31008070 TLBAsc

TRAFFIC FLOW--COMPUTER SIMULATION.

HE
336
.T7
T75
1993

Traffic pattern assessment and road user delay costs resulting from roadway construction options / by Raymond A. Krammes ... [et al.]. -- College Station, TX : Texas Transportation Institute ; [Springfield, VA : Available through the National Technical Information Service, [1993]
x, 28 p. ; 28 cm. -- (Research report ; 1108-8F)
STRN: FHWA/TX-92/1108-8F

1. Traffic flow--Computer simulation. 2. Roads--Maintenance and repair. 3. Highway capacity--Computer simulation.

94 30266161 TLBAsc

TRAFFIC SIGNS AND SIGNALS--CALIFORNIA.

TE
228
.S23
1994

Safety and severity effects of increased yellow change interval / by Janice L. Stites ... [et al.]. -- Chico : Civil Engineering Dept., California State University, [1994]
151 p. in various pagings ; 28 cm.

1. Traffic signs and signals--California. 2. Electronic traffic controls. 3. Traffic accidents--California--Statistics.

94 30887959 TLBAsc

TRANSPORTATION, AUTOMOTIVE--CONGRESSES.

HE
131
.T687cp
no.3

International Symposium on Motor Carrier Transportation (1993 : Williamsburg, Va.)
International Symposium on Motor Carrier Transportation, Williamsburg, Virginia, May 31-June 4, 1993 / sponsored by Transportation Research Board ... [et al.]. -- Washington, D.C. : National Academy Press, 1994.
vi, 223 p. : ill. ; 28 cm. -- (Conference proceedings, ISSN 1073-1652 ; 3)
ISBN 0-309-05517-2

1. Transportation, Automotive--Congresses.

06 JAN 95 31384748 TLBAsc

TRANSPORTATION--UNITED STATES--HISTORY.

REF.
TA
1015
.L43
A43
1993

Lee, Allan E., 1923-
American transportation : its history and museums / Allan E. Lee. -- Charlottesville, VA : Hildesigns Press, c1993.
224 p. : ill. ; 26 cm. -- (Heritage series)
ISBN 0-943231-57-4

1. Transportation--United States--History. 2. Transportation museums--United States--Guidebooks.

25 JAN 95 30535176 TLBAsc 94-211029

TRANSPORTATION--UNITED STATES--PLANNING.

HE
131
.T687r
no.1429

Multimodal priority setting and application of geographic information systems. -- Washington, D.C. : National Academy Press, 1994.
v, 89 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1429)
ISBN 0-309-05507-5

1. Transportation--United States--Planning. 2. Transportation--United States--Management. 3. Geographic information systems.

06 JAN 95 30990452 TLBAsc

TRANSPORTATION--WASHINGTON (STATE)--FINANCE.

HE
213
.W2
C67
1993

Cost responsibility study--phase I : final report / prepared for State of Washington Legislative Transportation Committee ; prepared by Cambridge Systematics, Inc. with Evergreen Policy Group. -- [Seattle? : Cambridge Systematics?, 1993]
v : ill., folded, col. maps ; 28 cm.

1. Transportation--Washington (State)--Finance. 2. Transportation--Washington (State)--Planning. 3. Roads--Washington (State)--Finance.

94 30386519 TLBAsc

TRENCHLESS CONSTRUCTION--DIRECTORIES.

REF.
TA
815
.D57

Directory of the North American trenchless technology industry. -- 1994- . -- Peninsula, OH : Trenchless Technology, Inc. [for] North American Society for Trenchless Technology, c 1994-
v. : ill. (some col.) ; 28 cm.
Annual.
LATEST YEAR ONLY

1. Trenchless construction--Directories. 2. Tunneling--Equipment and supplies--Directories.

Rev-1 TLBAsc

TRUCKS--WEIGHT--LAW AND LEGISLATION--TEXAS.

TL
230
.C67
W44
1993

Crockford, William W.
Weight tolerance permits / by William W. Crockford. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
109 p. in various pagings : ill. ; 28 cm. -- (Research report ; 1323-2F)
STRN: FHWA/TX-94-1323-2F

1. Trucks--Weight--Law and legislation--Texas. 2. Trucking--Licenses--Texas.

31007954 TLBAsc

TRUCKS--WEIGHT--LAW AND LEGISLATION--WASHINGTON (STATE)

TL
230
.B37
C37
1994

Barron, Catherine J.
A case study of the effectiveness of Washington's fine system for overweight violations / Catherine J. Barron, Eric L. Jessup and Kenneth L. Cavant. -- [Olympia, Wash. : Washington State Dept. of Transportation, Washington State Transportation Commission, Planning and Programming Service Center ; Available through the National Technical Information Service, 1994]
vii, 48, [4] p. : ill. ; 28 cm.
STRN: WA-RD 353.2
1. Trucks--Weight--Law and legislation--Washington (State) 2. Trucks--Licenses--Washington (State) 3. Traffic vi olations--Washington (State)

31179263 TLBAsc

UNITED STATES.
INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991.

HE
355.3
.F3
1883
1994

ISTEA year three : a special report on the implementation of the Intermodal Surface Transportation Efficiency Act of 1991. -- [Washington, DC] : Surface Transportation Policy Project, [1994]
38 p. : ill. ; 28 cm.

1. United States. Intermodal Surface Transportation Efficiency Act of 1991. 2. Transportation--Economic aspects--United States. 3. Transportation--United States--Planning.

Rev-1 TLBAsc

UNITED STATES. ENVIRONMENTAL PROTECTION AGENCY.

TD
171
.U54
S42
1992

United States. Environmental Protection Agency.
Securing our legacy : an EPA progress report, 1989-1991. -- Washington, DC (401 M St., S.W., Washington 20460) : Office of Communication, Education, and Public Affairs, U.S. Environmental Protection Agency, [1992]
48 p. : ill. (some col.), maps (some col.) ; 28 cm.

1. United States. Environmental Protection Agency. 2. Environmental protection--United States.

27642675 TLBAsc 92-198221

UNITED STATES. SECURITIES AND EXCHANGE COMMISSION--HISTORY.

EG
4910
.G66
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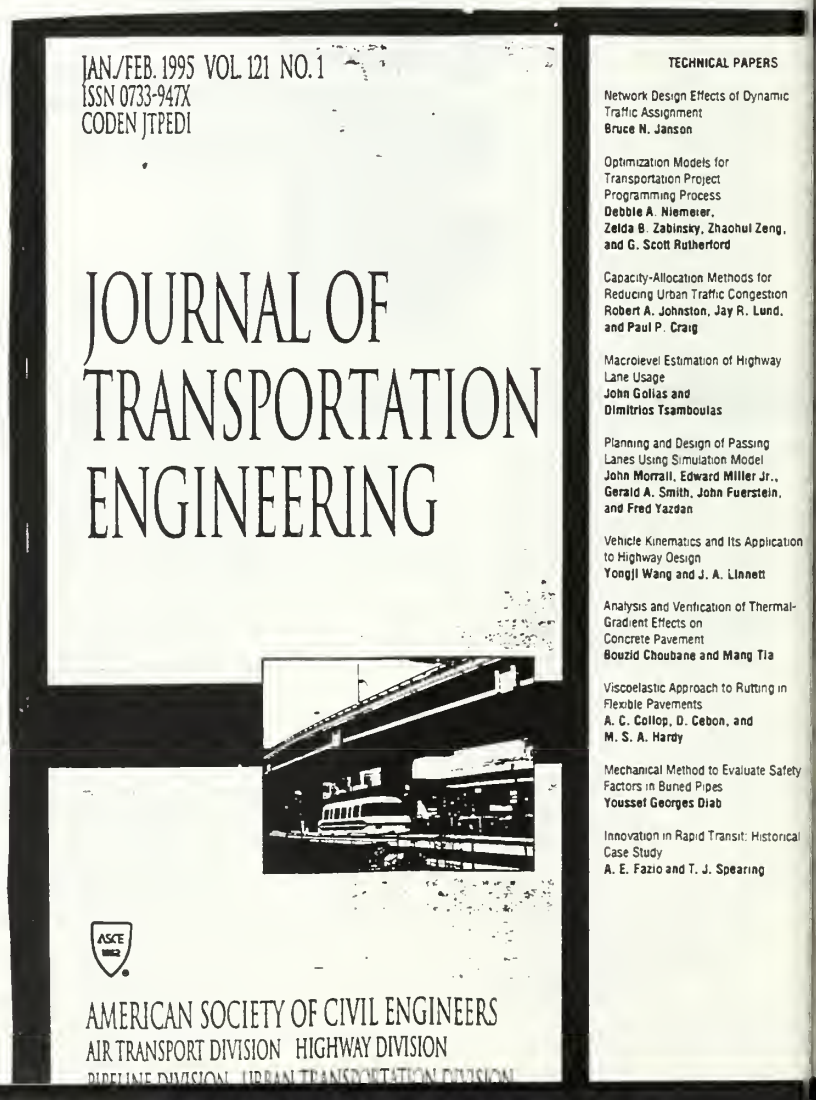

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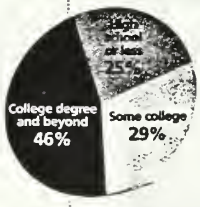

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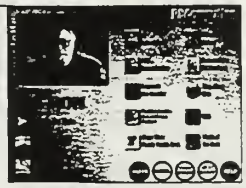

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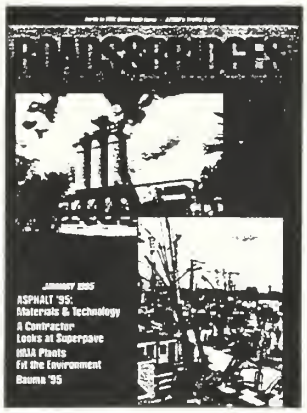
ROADS&BRIDGES

Dedicated to the Construction, Rebuilding and Maintenance of the Nation's Dynamic Transportation Infrastructure



In This Issue

Our January issue is jam packed with asphalt related features, including a contractor perspective of **Superpave** asphalt mix design; a study that predicts the performance of **SBR-modified asphalt**; a preview of the upcoming **National Asphalt Pavement Association** annual meeting; field management's role in controlling volumetric properties; and much more.

Cover: Cedarapids/Standard Havens plant of Gator Asphalt Co., Bradenton, Fla., is National Ecological Award winner of the National Asphalt Pavement Association, photo courtesy Gator Asphalt; Bauma '95 will lure thousands of contractors; photo of Bauma '92 by Tom Kuennen.

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32 Superpave offers contractors longer lasting pavements
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38 SBR-modified asphalt holds up under extreme temperatures
Study predicts performance of Styrene-Butadiene Rubber-modified asphalts using SHRP specifications; SBR shown to perform well at high- and low-temperature ranges

42 Gator Asphalt, Mexico's Plantasfalto earn top ecological awards
National Asphalt Pavement Association will honor plants which go beyond the norm at annual meeting in Hawaii in February; Hayes Award finalists are announced

46 Contractors gain control of volumetric properties with field management
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If you purchase a rheometer with an air bearing, plan on extra time during training to understand the dos and don'ts of the proper operation of an air bearing

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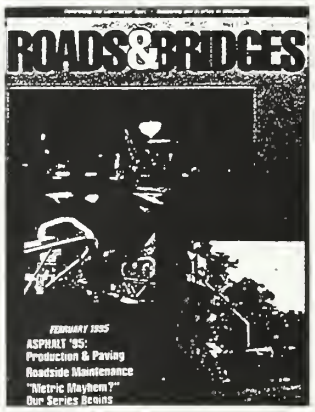
ROADS&BRIDGES

Dedicated to the Construction, Rebuilding and Maintenance of the Nation's Dynamic Transportation Infrastruc



In This Issue

In February's issue you'll find a **Special Report: Asphalt '95**, Production and Paving. A two-page spread on a new asphalt plant in Mississippi is featured. In addition, you'll find the first in a series of eight articles on the **metric system**. Extensive coverage of roadside management topics is offered.

Cover: Clockwise from top: Lunix illuminated halogen helium balloon lights up paving in France, information on p. 84; boom attachment clears branches from roadside, courtesy Alamo Group; new Astec plant on line for APAC's Tupelo, Miss., division, photo by Tom Kuennen.

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6.

...The Alternate Route.

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ADMINISTRATIVE AGENCIES--
MASSACHUSETTS--MANAGEMENT.

JK
3141
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1991

Invitation to change : better
government competition 1991 winners /
edited by Jeremiah Cole and Virginia
Straus. -- Boston, Mass. : Pioneer
Institute for Public Policy Research,
1991.
83 p. : ill., map ; 28 cm. --
(Pioneer compendium ; no. 1)
ISBN 0-929930-07-X

1. Administrative agencies--
Massachusetts--Management. 2.
Government productivity--Massachusetts.
3. Massachusetts--Politics and
government--1951-

17 MAR 95 24629703 TLBAsc 91-34693

ADMINISTRATIVE AGENCIES--UNITED
STATES.

KF
25
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1992

United States. Congress. Joint Economic
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Reinventing government :
restructuring the public sector to
deliver more for less : hearing before
the Joint Economic Committee, Congress
of the United States, One Hundred
Second Congress, second session, March
5, 1992. -- Washington : U.S. G.P.O. :
For sale by the U.S. G.P.O., Supt. of
Docs., Congressional Sales Office,
1993.
iii, 95 p. ; 24 cm. -- (S. hrg. ;
102-1077)
ISBN 0-16-040738-9

13 APR 95 28128340 TLBAsc SEE NEXT CRD

AGED--MASSACHUSETTS--STATISTICS.

HQ
1064
.U6
M46
1992

The Older population in Massachusetts
1980-1990. -- [Boston, Mass.] :
Gerontology Institute, University of
Massachusetts at Boston, c1992.
28 p. : ill. ; 28 cm.

1. Aged--Massachusetts--Statistics.

13 APR 95 27081520 TLBAsc 93-621254

ALLUVIAL FANS--ARIZONA.

HB
591
.W37
1988

Ward, Robert L.
Present status of management and
technical practices on alluvial fan
areas in Arizona : state of the art /
prepared by Robert L. Ward. -- Phoenix,
Arizona : Arizona Dept. of
Transportation ; [Springfield, Va. :
Available through the National
Technical Information Service, 1988]
v, 249 p. ; 28 cm.
STRN: FHWA-AZ88-278

1. Alluvial fans--Arizona.

Rev-1 4-10-95 TLBAsc

AMERICAN EXPRESS COMPANY.

HE
5903
.A55
H37
1950

Hatch, Alden, 1898-
American Express : a century of
service. [1st ed.] Garden City, N.Y. :
Doubleday, 1950.
287 p. : ill., ports. ; 22 cm.

1. American Express Company.

24 FEB 95 504836 TLBAsc 50-10925

BRIDGES--BEARINGS.

TG
326
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E52
1994

English, B. A.
Elastomeric bearings : background
information and field study / by B.A.
English, R.E. Klingner and J.A. Yura ;
conducted for the Texas Department of
Transportation. -- Austin : Center for
Transportation Research, Bureau of
Engineering Research, University of
Texas at Austin ; [Springfield, Va. :
Available through the National
Technical Information Service, 1994]
xi, 90 p. : ill. ; 28 cm. --
(Research report ; 1304-1)
STRN: FHWA/TX-95+1304-1
1. Elastomers. 2. Bridges--Texas--
Bearings. 3. Bridges--Texas--Design
and construct ion. 4. Bridges--
Bearings.

04 APR 95 32205985 TLBAsc

BRIDGES, CONCRETE--FLOORS--
MAINTENANCE AND REPAIR.

TG
325.6
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E92
1994

Dolan, V.
Evaluation of failure in bridge
expansion joint rails / by V. Dolan and
K.H. Frank ; conducted for the Texas
Department of Transportation in
cooperation with the U.S. Department of
Transportation, Federal Highway
Administration. -- Austin : Center for
Transportation Research, Bureau of
Engineering Research, University of
Texas at Austin ; [Springfield, Va. :
Available through the National
Technical Information Service, 1994]
ix, 38 p. : ill. ; 28 cm. --
(Research report ; 1309-1F)
STRN: FHWA/TX-95+1309-1F

04 APR 95 32222938 TLBAsc SEE NEXT CRD

BRIDGES--LIVE LOADS.

TG
265
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E33
1994

Hahin, Christopher.
Effects of corrosion and fatigue on
the load-carrying capacity of
structural and reinforcing steel /
Christopher Hahin. -- Springfield, Ill.
: Illinois Dept. of Transportation,
[Bureau of Materials and Physical
Research ; Springfield, Va. : Available
through the National Technical
Information Service, 1994]
105 leaves : ill. ; 28 cm. --
(Physical research report ; no. 108)
STRN: FHWA/IL/PR-108
1. Bridges--Live loads. 2. Bridges,
Iron and steel--Maintenance and repair.
3. Steel bars--Corrosion. 4.
Reinforcing b ars--Corrosion.

04 APR 95 32084808 TLBAsc

BUILDING, IRON AND STEEL.

TA
684
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S77
1994

McCormac, Jack C.
Structural steel design : LRFD method / Jack C. McCormac. -- 2nd ed. -- Glenview, IL : HarperCollins, 1994.
xiv, 704 p. : ill. ; 28 cm.
ISBN 0-06-501627-0

1. Building, Iron and steel. 2. Load factor design. 3. Steel, Structural.

17 MAR 95 30893077 TLBAsc 94-29972

BUILDING LAWS--UNITED STATES.

REF.
KF
5701
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Building Officials and Code Administrators International.
The BOCA national building code. -- 10th ed. (1987)- . -- Country Club Hills, Ill. : Building Officials & Code Administrators International, c1986-

v. : ill. ; 23 cm.
Triennial.
Continues: Building Officials and Code Administrators International. BOCA basic/national building code.
ISSN 0897-0068 = The BOCA national building code

1. Building laws--United States.

05 APR 95 15194269 TLBAsc 91-648862

BUSINESS FORECASTING.

A-V
HD
30.27
.P37
1993

Paradigm pioneers [videorecording] / host and author, Joel A. Barker ; produced and distributed by Charthouse International Learning Corporation. -- [Burnsville, MN] : Charthouse International Learning Corporation, c1993.
1 videocassette (30 min.) : sd., col. ; 1/2 in. -- (Discovering the future series)

1. Business forecasting. 2. Forecasting. 3. Paradigms (Social sciences) 4. Success in business.

13 APR 95 27920751 TLBAsc

CAR POOLS--MARYLAND--BALTIMORE METROPOLITAN AREA.

HE
5620
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J48
1994

Jewell, Marta.
Evaluation of the Baltimore guaranteed ride home program / Marta Jewell, Judith Swenk. -- Washington, D.C. : Federal Transit Administration : Springfield, Va. : Available through the National Technical Information Service, [1994]
76 p. in various pagings : ill. ; 28 cm.

1. Car pools--Maryland--Baltimore Metropolitan Area. 2. Van pools--Maryland--Baltimore Metropolitan Area. 3. Paratransit services--Maryland--Baltimore Metropolitan Area.

27 FEB 95 31868233 TLBAsc

CHOICE OF TRANSPORTATION--MATHEMATICAL MODELS.

HE
131
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no.1443

Travel demand modeling and network assignment models. -- Washington, D.C. : National Academy Press, 1994.
v, 118 p. : ill. ; 28 cm. -- (Transportation research record ; 1443)
ISBN 0-309-05524-5

1. Transportation--Passenger traffic--Planning. 2. Transportation--Passenger traffic--Planning--Mathematical models. 3. Traffic estimation. 4. Choice of transportation--Mathematical models. 5. Urban transportation.

17 MAR 95 31930595 TLBAsc

CULVERTS--MAINE--MAINTENANCE AND REPAIR.

TE
213
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1994

Alexander, John A.
Rehabilitation of large diameter steel culverts / prepared by John A. Alexander, Thomas C. Sandford, Anand Seshadri (University of Maine, Civil Engineering Department). -- [Augusta] : Maine Dept. of Transportation, Technical Services Division, [1994]
1 v. (various pagings) : ill. ; 28 cm. -- (Technical paper / Maine Dept. of Transportation ; 93-3)

1. Culverts--Maine--Maintenance and repair. 2. Culverts--Maine--Corrosion. 3. Road drainage--Maine.

06 APR 95 31730051 TLBAsc

DREDGING--UNITED STATES--PLANNING.

HE
131
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no.427

Environmental regulatory process : does it work? : dredging U.S. ports. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1994]
62 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 427)

1. Dredging--Law and legislation--United States. 2. Dredging--United States--Planning.

03 APR 95 30938377 TLBAsc

DRIVEWAYS--LAW AND LEGISLATION--MASSACHUSETTS.

TE
279.3
.F67
M36
1990

Fortier, Daniel J.
Managing local driveway access and subdivision street approval decisions / written by Daniel J. Fortier. -- Boston, MA : Metropolitan Area Planning Council, 1990.
8 p. ; 28 cm.

1. Streets--Massachusetts. 2. Driveways--Law and legislation--Massachusetts.

17 MAR 95 30840860 TLBAsc

DRUNK DRIVING--CONGRESSES.

HE
131
.T687c
no.422

The Nature of and the reasons for the worldwide decline in drinking and driving. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
71 p. : ill. ; 28 cm. --
(Transportation research circular, ISSN 0097-8515 ; no. 422)

1. Drunk driving--Congresses. 2. Drinking and traffic accidents--Congresses. 3. Traffic accidents--Congresses.

03 APR 95 30572090 TLBAsc

ELECTRIC WIRING--INSURANCE REQUIREMENTS--PERIODICALS.

REF.
KF
5704
.N38

National electrical code. -- Quincy, MA : National Fire Protection Association,
v. : ill. ; 20 cm. -- (<1987->: NFPA ; 70)
Triennial.
Spine title: NEC, <1987->.
ISSN 0550-4406

1. Electric wiring--Insurance requirements--Periodicals. 2. Electric wiring--Tables--Periodicals. 3. Electric engineering--Law and legislation--United States.

05 APR 95 3743098 TLBAsc SN82-20719

ELECTRONIC TRAFFIC CONTROLS.

TE
228
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D48
1993

Quinlan, T. F.
Development of an advanced transportation control computer / prepared by T.F. Quinlan. -- [Sacramento, Calif.] : State of California, Dept. of Transportation, Division of New Technology, Materials and Research ; [Springfield, VA : Available through the National Technical Information Service, 1993]
xiv, 215 p. : ill. (some col.) ; 28 cm.
1. Electronic traffic controls. 2. Traffic signs and signals--California. 3. Intelligent Vehicle Highway Systems --California. 4. Trucks--Weight--Measurement.

27 FEB 95 31536865 TLBAsc

ELECTRONIC TRAFFIC CONTROLS.

TE
228
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Development of manuals for the effective use of variable message signs / John S. Miller ... [et al.]. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
ii, 39 p. : ill. ; 28 cm. -- (VTRC ; 95-R15)

1. Electronic traffic controls. 2. Traffic signs and signals--Virginia. 3. Highway communications--Virginia.

04 APR 95 32128916 TLBAsc

ELECTRONIC TRAFFIC CONTROLS--RESEARCH.

HE
131
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no.431

Research and management for advanced traffic signal systems. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
35 p. : ill. ; 28 cm. --
(Transportation research circular, ISSN 0097-8515 ; no. 431)

1. Electronic traffic controls--Research.

03 APR 95 31007319 TLBAsc

ELEVATORS--STANDARDS--UNITED STATES.

REF.
KF
5705
.A8
A512
1993

American National Standards Institute.
Safety code for elevators and escalators : an American national standard / sponsored and published by the American Society of Mechanical Engineers. -- [14th ed.]. -- New York, N.Y. (345 East 47th St., New York 10017) : ASME, 1993.
xxviii, 365 p. : ill. ; 28 cm.

1. Elevators--Standards--United States. 2. Escalators--Standards--United States.

06 APR 95 29850358 TLBAsc

FEDERAL AID TO TRANSPORTATION--UNITED STATES.

HE
355.3
.F3
I67
1993

Intermodal Surface Transportation Efficiency Act : flexible funding opportunities for transit FY '94 / [prepared by Federal Transit Administration]. -- Washington, D.C. (400 Seventh Street, S.W., Washington 20590) : The Administration, [1993]
53 p. ; 22 cm.

1. Federal aid to transportation--United States. 2. Transportation--Finance--Law and legislation--United States--States. 3. Transportation and state--United States. 4. United States. Intermodal Surface Transportation Efficiency Act of 1991.

13 APR 95 30046859 TLBAsc

FERRIES--WASHINGTON (STATE)--FINANCE.

HE
5783
.W2
B47
1987

Berney, Robert E.
Pricing policy for the Washington state ferry system / Robert E. Berney and Nancy Wallace. -- [Olympia, WA : Washington State Dept. of Transportation, 1987.
viii, 107 p. ; 28 cm.
STRN: WA-RD 100.1

1. Ferries--Washington (State)--Finance. 2. Ferries--Economic aspects --Washington (State).

Rev-1 3-29-95 TLBAsc

HIGHWAYS--MAINTENANCE AND REPAIR.

HE
131
.T687sy
no.209

Cady, P. D. (Philip Dale), 1933-
Sealers for portland cement concrete highway facilities / Philip D. Cady. -- Washington, D.C. : National Academy Press, 1994.
85 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 209)
ISBN 0-309-05668-3

1. Highways--Maintenance and repair. 2. Sealing (Technology)

03 APR 95 32198439 TLBAsc

INDUSTRIAL PROCUREMENT.

HD
39.5
.G72
S47
1994

Graw, LeRoy H.
Service purchasing : what every buyer should know / LeRoy H. Graw, Deidre M. Maples. -- New York : Van Nostrand Reinhold, c1994.
xiii, 187 p. : ill. ; 24 cm.
ISBN 0-442-01718-9

1. Service industries--Management. 2. Industrial procurement.

30 MAR 95 27814823 TLBAsc 93-10225

INDUSTRIAL PROCUREMENT--MANAGEMENT.

HD
39.5
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P87
1994

Zenz, Gary Joseph.
Purchasing and the management of materials / Gary J. Zenz, with the assistance of George H. Thompson. -- 7th ed. -- New York : Wiley, c1994.
xvi, 730 p. : ill. ; 25 cm.
ISBN 0-471-54983-5 (alk. paper)

1. Industrial procurement--Management. 2. Materials management.

30 MAR 95 28587301 TLBAsc 93-5911

INTELLIGENT VEHICLE HIGHWAY SYSTEMS.

HE
131
.T687c
no.428

Spectrum needs for intelligent vehicle-highway system application. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1994]
46 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 428)

1. Radio frequency allocation. 2. Intelligent Vehicle Highway Systems. 3. Highway communications.

03 APR 95 30938522 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--UNITED STATES.

TE
228.3
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1994

ITS architecture development program : phase I, summary report / [ITS America]. -- Washington, D.C. : ITS America, [1994]
iv, 106 p. : ill., map ; 28 cm.

1. Intelligent vehicle highway systems--United States. 2. Highway communications--United States. 3. Traffic congestion--United States.

13 APR 95 32042006 TLBAsc

INTERSTATE 93 (MASS.)

HE
356.5
.B721
W623
1994

Proposed I-93 Woburn interchange, Woburn, Massachusetts : environmental assessment/supplemental draft environmental impact report / prepared for Massachusetts Highway Dept.; prepared by Vanasse Hangen Brustlin, Inc. -- [Boston, Mass.] : Massachusetts Highway Dept, 1994.
1 v. in various pagings : ill., maps, plans ; 28 cm.

1. Interstate 93 (Mass.) 2. Roads--Massachusetts--Interchanges and intersections. 3. Traffic flow--Massachusetts. 4. Traffic engineering--Massachusetts.

30 MAR 95 32224113 TLBAsc

INTERSTATE 495 (MASS.)

HE
356.5
.B711
I22
1978

I-495 areawide approach to growth : (growth policy study) / Southeastern Regional Planning and Economic Development District. -- Marion, Mass. : Southeastern Regional Planning and Economic Development District, 1978.
3 v. : maps ; 28 cm.
Cover title: Interstate 495 areawide approach to growth.

1. Interstate 495 (Mass.) 2. Massachusetts--Economic policy. 3. Roads--Economic aspects--Massachusetts. 4. Roads--Social aspects--Massachusetts.

13 APR 95 32225005 TLBAsc

INVENTORY CONTROL.

Oversize
TS
160
.K62
M36
1992

Kobert, Norman.
Managing inventory for cost reduction / Norman Kobert. -- Englewood Cliffs, NJ : Prentice Hall, c1992.
xx, 503 p. : ill. ; 29 cm.
ISBN 0-13-504788-9

1. Inventory control. 2. Cost control.

30 MAR 95 25632886 TLBAsc 92-5762

LOCAL TRANSIT CRIME--PREVENTION--
HANDBOOKS, MANUALS, ETC.

HV
7431
.B34
T73
1994

Balog, John N.
Transit security procedures guide / [John N. Balog, Anne N. Schwarz, Bernard C. Doyle]. -- [Washington, D.C.] : Federal Transit Administration, [Office of Technical Assistance and Safety ; Springfield, Va. : Available through the National Technical Information Service, 1994]
viii, 188 p. : ill. ; 28 cm.
STRN: FTA-MA-90-7001-94-2
1. Local transit crime--Prevention--Handbooks, manuals, etc. 2. Local transit--Security measures--Handbooks, manuals, etc. 3. Local transit--Management--Handbooks, manuals, etc. 4. Crime prev ention--Handbooks, manuals, etc.

28 FEB 95 31857445 TLBAsc

LOCAL TRANSIT--FARES--RESEARCH--
CONGRESSES.

HE
131
.T687c
no.421

Workshop on Transit Fare Policy and Management Research Needs and Priorities (1993 : Woods Hole, Mass.)
Workshop on Transit Fare Policy and Management Research Needs and Priorities : workshop proceedings / editor: Katherine F. Turnbull. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
77 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 421)
1. Local transit--Fares--Research--Congresses. 2. Urban transportation--Finance--Rese arch--Congresses.

03 APR 95 30592247 TLBAsc

LOCAL TRANSIT--INFORMATION SERVICES.

HE
4211
.A38
1994

Advanced traveler aid systems for public transportation : the Intelligent Transit Mobility Systems (ITMS) : final report / prepared by Shinya Kikuchi ... [et al.]. -- Washington, D.C. : U.S. Dept. of Transportation, Federal Transit Administration : Distributed in cooperation with Technology Sharing Program, 1994]
1 v. (various pagings) : ill. ; 28 cm.
1. Local transit--Information services. 2. Local transit--Technological innovations. 3. Bus lines--Information services. 4. Buses --Automatic l ocation systems.

13 APR 95 32223016 TLBAsc

MAGNETIC LEVITATION VEHICLES--
PENNSYLVANIA--PITTSBURGH--PLANNING.

TF
1600
.M35
1994

Maglev demonstration, design and development plan / Rail Systems Center, Carnegie Mellon Research Institute, Carnegie Mellon University. -- [Washington, D.C.] : Federal Transit Administration ; Springfield, Va. : Available through the National Technical Information Service, [1994]
1 v. (various pagings) : maps (some folded) ; 28 cm.
STRN: FTA-PA-08-7006-94-1

30 MAR 95 31695810 TLBAsc SEE NEXT CRD

MANAGEMENT AUDIT.

HD
58.95
.M36
B46
1992

McNair, Carol Jean.
Benchmarking : a tool for continuous improvement / C.J. McNair and Kathleen H.J. Leibfried. -- Essex Junction, VT : OMNEO, c1992.
xx, 344 p. : ill. ; 23 cm.
ISBN 0-939246-53-8

1. Management audit. 2. Organizational effectiveness. 3. Organizational change. 4. Total quality management. 5. Competition.

30 MAR 95 30132756 TLBAsc 93-61001

MASSACHUSETTS BAY TRANSPORTATION
AUTHORITY--CARS, LRV--NO.8--DESIGN
AND CONSTRUCTION.

TF
920
.M3
T434
1994

Massachusetts Bay Transportation Authority. Materials Directorate.
No.8 Green Line Low Floor Cars / Massachusetts Bay Transportation Authority, Materials Directorate. -- [Boston, Mass. : Massachusetts Bay Transportation Authoriry, 1994].
2 v. : ill., plans ; 28 cm.
1. Electric railroads--Massachusetts --Cars. 2. Electric railroads--Cars. 3. Massachusetts Bay Transportation Authority--Cars, LRV--no.8--Design and construction. 4. Massachusetts Bay Transportation Authority--Cars--Contracts and specifications.

Rev-1 3-24-95 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION
AUTHORITY--COMMUTER RAIL--CARS,
PULLMAN--MAINTENANCE AND REPAIRS.

TF
25
.M37
093
1993

Massachusetts Bay Transportation Authority.
Overhauled passenger coaches / Massachusetts Bay Transportation Authority. -- [Boston, Mass.] : Massachusetts Bay Transportation Authority, 1993.
3 v. : ill., plans ; 28 cm.
1. Massachusetts Bay Transportation Authority--Commuter rail--Cars, Pullman--Maintenance and repairs. 2. Pullman cars--Massachusetts--Boston Metropolitan Area. 3. Railroads--Massachusetts--Boston Metropolitan Area--Passenger-cars--Maintenance and repair.

Rev-1 3-16-95 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION
AUTHORITY--COMMUTER RAIL--
OPERATIONS.

HE
2781
.B719
O552
1993

MBTA commuter rail contract & performance analysis / R.W. Beck and Associates ... [et al.]. -- [Boston, Mass. : Massachusetts Bay Transportation Authority, 1993.
iii, 227 p., [13] leaves ; 28 cm.

1. Amtrak. 2. Railroads--Massachusetts--Boston Metropolitan Area. 3. Massachusetts Bay Transportation Authority--Commuter rail--Contracts and specifications. 4. Massachusetts Bay Transportation Authority--Commuter rail--Operations.

Rev-1 3-16-95 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--FARES--EQUIPMENT.

HE
4491
.B719
F372
1994

Massachusetts Bay Transportation Authority. Purchasing and Administrative Services.
M.B.T.A. rapid transit fare collection system replacement / Massachusetts Bay Transportation Authority, Puchasing and Administrative Services. -- [Boston, Mass. : Massachusetts Bay Transportation Authority, Purchasing and Administrative Services, 1994]
1 v. in various pagings ; 28 cm.

Rev-1 3-23-95 TLBAsc SEE NEXT CRD

MOTOR VEHICLES--AUTOMATIC CONTROL.

TL
272.5
.H44
L37
1993

Heller, Mahlon D.
Lateral electronic guidance systems for vehicles / [Mahlon D. Heller]. -- [Sacramento, Calif. : California Dept. of Transportation, Division of New Technology, Materials and Research ; Springfield, VA : Available through the National Technical Information Service, 1993]
86 p. in various pagings : ill. ; 28 cm.
STRN: FHWA/CA/TL-93/16

1. Motor vehicles--Automatic control. 2. Automobile driving--Steering--Automation. 3. Automobiles--Electronic equipment.

24 FEB 95 31536850 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--THE RIDE.

BV
3023
.M4
R544
1993

Massachusetts Bay Transportation Authority.
MBTA, the RIDE : first annual update of the MBTA's complementary paratransit plan submitted in compliance with the Americans with Disabilities Act / Massachusetts Bay Transportation Authority. -- [Boston, Mass.] : The Authority, 1993.
1 v. (various pagings) : ill., maps ; 28 cm.

17 MAR 95 31156581 TLBAsc SEE NEXT CRD

MOTORCYCLES--SAFETY MEASURES--RESEARCH--UNITED STATES.

HE
131
.T687c
no.424

Research problem statements for motorcycles and mopeds. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1994]
14 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 424)

1. Motorcycles--Safety measures--Research--United States. 2. Motorcycling accidents--United States. 3. Mopeds--Safety measures--Research--United States.

03 APR 95 30636164 TLBAsc

MERRITT PARKWAY (CONN.)

HE
356
.C8
M47
1993

Radde, Bruce, 1935-
The Merritt Parkway / Bruce Radde. -- New Haven : Yale University Press, [c1993]
xii, 135 p. : ill. (some col.) ; 25 cm.
ISBN 0-300-05379-7

1. Merritt Parkway (Conn.)

15 MAR 95 27428374 TLBAsc 93-9466r84

NETSIM (COMPUTER FILE)--EVALUATION.

HE
1617
.D482
1994

Venglar, Steven P.
Development of analytical tools for evaluating operations of light-rail at-grade within an urban signal system. Interim report, 2 / by Steven P. Venglar, Daniel B. Fambro and Carol B. Walters. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 100 p. : charts ; 28 cm. -- (Research report ; 1278-2)
STRN: FHWA/TX-94/1278-2
1. NETSIM (Computer file)--Evaluation. 2. Electronic traffic controls. 3. Street-railroads--Traffic. 4. Traffic signs and signals. 5. Railroads--Crossings.
04 APR 95 32094074 TLBAsc

MICROSOFT WINDOWS 95.

QA
76.76
.O63
C53
1995

Chen, Steven.
Windows 95 : a programmer's case book / Steven S. Chen. -- New York, NY : M&T Books, c1995.
xxix, 754 p. : ill. ; 24 cm. + 1 computer laser optical disc (4 3/4 in.).
ISBN 1-55851-411-2

1. Operating systems (Computers) 2. Microsoft Windows 95.

24 MAR 95 31610327 TLBAsc 94-40098

NOISE BARRIERS--NEW JERSEY--UNION COUNTY--DESIGN AND CONSTRUCTION.

ID
893.3
.N5
M372
1991

Marsella, Mark.
Evaluation of the tilt and absorbing noise barriers on I-78 sections 5M, 5BW, and 5BY in Union County, N.J. / by Mark Marsella. -- [Trenton, N.J.] : New Jersey Dept. of Transportation, Division of Research & Demonstration, [1991]
vi, 98 p. : ill. ; 28 cm.
STRN: FHWA/NJ-92-002

1. Noise barriers--New Jersey--Union County--Design and construction. 2. Noise barriers--New Jersey--Union County--Evaluation. 3. Traffic noise. 4. Noise barriers--Evaluation.

04 APR 95 32226870 TLBAsc

PAVEMENTS, CONCRETE--DESIGN AND CONSTRUCTION.

TE
278
.K63
D48
1994

Koelliker, James.
Development of a water-cement ratio meter : final report, Phase-II / by James Koelliker, Mustaque Hossain, Hisham Ibrahim. -- [Topeka : Kansas Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 1994]
v, 47 p. : ill. ; 28 cm.

1. Pavements, Concrete--Design and construction. 2. Concrete--Air content. 3. Concrete--Moisture--Measurement. 4. Air-entrained concrete.

04 APR 95 31925491 TLBAsc

PAVEMENTS, CONCRETE--DESIGN AND CONSTRUCTION.

TE
278
.J63
G84
1994

Johnson, Jason L.
Guidelines for the construction of fast track concrete paving intersections / by Jason L. Johnson, Dan G. Zollinger, Sungchul Yang. -- Rev. June 1994. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; Springfield, Va. : Available through National Technical Information Service, [1994]
xvii, 143 p. : ill. ; 28 cm. -- (Research report ; no. 1385-1F)
STRN: FHWA/TX-94/1385-1F
1. Pavements, Concrete--Design and construction. 2. Concrete--Curing. 3. Roads--Interc hanges and intersections .

13 APR 95 31885426 TLBAsc

PAVEMENTS--DESIGN AND CONSTRUCTION.

TE
211
.D47
1994

Determination of AASHTO layer coefficients. -- [Jefferson City, Mo.] : Missouri Highway and Transportation Dept., [1994]
2 v. : ill. ; 28 cm. -- (Study / Missouri Cooperative Highway Research Program ; 90-5)

1. Pavements--Design and construction. 2. Pavements--Subgrades. 3. Road materials--Testing.

04 APR 95 32077907 TLBAsc

PAVEMENTS--MAINTENANCE AND REPAIR--MANAGEMENT.

HE
131
.T687c
no.401

Maintenance research problem statements. -- Washington, D.C. : Transportation Research Board, [1992]
16 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 401 (Dec. 1992))

1. Pavements--Maintenance and repair --Management. 2. Pavements--Maintenance and repair--Management--Data processing. 3. Pavements--Maintenance and repair--Management--Research.

03 APR 95 27451625 TLBAsc

PAVEMENTS--OHIO--TESTING--INSTRUMENTS.

TE
251.5
.S37
D48
1994

Sargand, S. M. (Shad M.)
Development of an instrumentation plan for the Ohio SPS test pavement (DEL-23-17.48) / Shad Sargand. -- [Athens, OH] : Ohio University, Civil Engineering Dept., Center for Geotechnical and Environmental Research ; Springfield, Va. : Available through the National Technical Information Service, [1994]
iv, 109, [12] p. : ill. (some col.) ; 28 cm.
STRN: FHWA/OH-94/019

1. Pavements--Ohio--Testing--Instruments.

27 FEB 95 31793601 TLBAsc

PAVEMENTS--OVERLAYS.

TE
220.3
.V57
M42
1992

Vitillo, Nicholas P.
Mechanistic pavement overlay design / by Nicholas P. Vitillo ; prepared by New Jersey Department of Transportation, Bureau of Research in cooperation with U.S. Department of Transportation, Federal Highway Administration. -- [Trenton, N.J.] : New Jersey Dept. of Transportation, [1992]
179 p. in various pagings : ill. ; 28 cm.
STRN: FHWA/NJ-91-7160
1. Pavements--New Jersey--Overlays. 2. Pavements--New Jersey--Testing. 3. Pavements--New Jersey--Design and construction. 4. Pavements--Overlays.

17 MAR 95 31723287 TLBAsc

PEDESTRIAN FACILITIES DESIGN--UNITED STATES.

TE
279.5
.D47
1995

Design and safety of pedestrian facilities / prepared by ITE Technical Council Committee 5A-5 ; Charles V. Zegeer, chairperson. -- Washington, D.C. : Institute of Transportation Engineers, c1995.
67 p. : ill. ; 28 cm. -- (ITE publication ; no. RP-026)

1. Pedestrian facilities design--United States.

14 APR 95 32304053 TLBAsc

PHYSICALLY HANDICAPPED--UNITED STATES--TRANSPORTATION.

HV
3023
.A3
L23
1993

LaGasse, Alfred.
Americans with Disabilities Act private transportation handbook / by Alfred LaGasse ... [et al.]. -- Washington, D.C. : Project ACTION, [1993]
1 v. in various pagings : ill. ; 28 cm.

PHYSICALLY HANDICAPPED--UNITED STATES--TRANSPORTATION.

HV
3023
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B34
1993

Balog, John N.
Americans with Disabilities Act (ADA) public participation handbook / by John N. Balog ... [et al.]. -- Washington, D.C. : Project ACTION, [1993]
1 v. in various pagings : ill. ; 28 cm.

1. Paratransit services--United States--Planning--Handbooks, manuals, etc. 2. Local transit--United States--Planning--Handboooks, manuals, etc. 3. Physically handicapped--United States--Transportation. 4. United States. Americans with Disabilities Act of 1990.

Rev-1 3-30-95 TLBAsc

PIPE--MAINTENANCE AND REPAIR.

TJ
930
.S94
B92
1994

Sukley, Robin.
Evaluation of insituform pipe rehabilitation / prepared by Robin Sukley and Brian St. John. -- Harrisburg, PA : Pennsylvania Dept. of Transportation, Bureau of Construction and Materials ; Da Springfield, VA : National Technical information Service, 1994.
1 v. in various pagings : ill. ; 28 cm.
STRN: PA-94/002+84/103

1. Pipe--Maintenance and repair. 2. Pipe, Steel--Maintenance and repair.

17 MAR 95 32161328 TLBAsc

PHYSICALLY HANDICAPPED--UNITED STATES--TRANSPORTATION.

HV
3023
.A3
R66
1994

Rosenbloom, Sandra.
The impact of the ADA on special services provided by urban transit systems / [Sandra Rosenbloom]. -- Washington, DC : U.S. Dept. of Transportation, Federal Transit Administration ; Springfield, VA : Available through the National Technical Information Service, [1994]
vii, 136 leaves ; 28 cm.
1. Paratransit services--United States--Access for the physically handicapped. 2. Local transit--United States--Access for the physically handicapped. 3. Physically handicapped--United States--Transportatio n. 4. United States. Americans wit h Disabilities Act of 1990.

30 MAR 95 31962175 TLBAsc

PLUMBING--LAW AND LEGISLATION--UNITED STATES.

REF.
KF
5709
.B86

Building Officials and Code Administrators International.
The BOCA national plumbing code. -- 7th. ed. (1987)- . -- Country Club Hills, Ill. : Building Officials & Code Administrators International, c1986-
v. : ill. ; 23 cm.
Triennial.
Continues: Building Officials and Code Administrators International. BOCA basic/national plumbing code.
ISSN 1055-6680 = The BOCA national plumbing code
1. Plumbing--Law and legislation--United States.

05 APR 95 15561783 TLBAsc 91-648866

PILING (CIVIL ENGINEERING)

HE
131
.T687r
no.1447

Design and construction of auger cast piles, and other foundation issues. -- Washington, D.C. : National Academy Press, 1994.
v, 124 p. : ill. ; 28 cm. -- (Transportation research record ; 1447)
ISBN 0-309-06053-2

1. Piling (Civil engineering) 2. Foundations. 3. Soil mechanics. 4. Underground construction. 5. Bridges--Foundations and piers.

17 MAR 95 31959343 TLBAsc

PUBLIC WORKS--STANDARDS--CALIFORNIA.

REF.
TA
24
.C2
S724
1984

Standard plans for public works construction / promulgated by American Public Works Association, Southern California Chapter, Associated General Contractors of California, Southern California Districts, Joint Cooperative Committee. -- 1994 ed. -- Los Angeles, Calif. : Building News, c1994.
1 v. (various pagings) : ill. ; 28 cm.
ISBN 1-55701-104-4

1. Public works--Standards--United States. 2. Public works--Standards--California.

13 MAR 95 31421799 TLBAsc

PIPE--HYDRODYNAMICS--CHARTS, DIAGRAMS, ETC.

TE
215
.M33
D482
1994

McEnroe, Bruce M.
Development of hydraulic design charts for Type I and Type III metal and concrete end sections for pipe culverts / by Bruce M. McEnroe, Lance M. Johnson ; for Kansas Department of Transportation. -- [Topeka, Kan. : Kansas Dept. of Transportation, 1994]
viii, 153 p. : ill. ; 28 cm.
STRN: K-TRAN: KSU-94-4

1. Pipe--Hydrodynamics--Charts, diagrams, etc. 2. Hydraulics--Charts, diagrams, etc. 3. Culverts--Design and construction. 4. Road drainage.

04 APR 95 31966505 TLBAsc

PUBLIC WORKS--STANDARDS--CALIFORNIA.

REF.
TA
24
.C2
S72

Standard specifications for public works construction (Los Angeles, Calif.)
Standard specifications for public works construction / written and promulgated by Southern California Chapters, American Public Works Association [and] Associated General Contractors of America, Joint Cooperative Committee. -- 1967 ed.- . -- Los Angeles, Calif. : Building News, Inc., c1966-
v. ; 20 cm.
Triennial.
ISSN 1048-3241 = Standard specifications for public works construction (Los Angeles, Calif.)

13 MAR 95 18010438 TLBAsc SEE NEXT CRD

RAILROADS--PASSENGER-CARS.

TF
455
.R36
F76
1972

Randall, W. David.
From Zephyr to Amtrak; a guide to lightweight cars and streamliners. [Park Forest, Ill.: Prototype Publications, 1972]
viii, 224 p. illus. 28 cm.

1. Railroads--Passenger-cars.

13 APR 95 379539 TLBAsc 72-80321r85

ROADS--CRASH CUSHIONS.

HE
131
.T687sy
no.205

Carney, John F.
Performance and operational experience of crash cushions / John F. Carney, III. -- Washington, D.C. : National Academy Press, 1994.
87 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 205)
ISBN 0-309-05664-0

1. Roads--Crash cushions. 2. Roads--Safety measures.

17 MAR 95 32082121 TLBAsc

ROADS--ENVIRONMENTAL ASPECTS--VIRGINIA.

TE
177
.B74
D47
1994

Briganti, Christiana M.
Design and information requirements for travel and tourism needs on scenic byways / Christiana M. Briganti, Lester A. Hoel. -- Charlottesville, Va. : Virginia Transportation Research Council, [1994]
v, 29 p. : maps ; 28 cm. -- (VTRC ; 95-R1)
1. Roads--Environmental aspects--Virginia. 2. Mountain roads--Virginia--Design and construction. 3. Rural roads--Virginia--Design and construction. 4. National parks and reserves--United States. 5. Tourist information centers--United States. 6. Roadside impr ovement--United States.

03 APR 95 31868231 TLBAsc

ROADS--INTERCHANGES AND INTERSECTIONS.

HE
131
.T687c
no.430

Interchange operations on the local street side : state of the art. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
51 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 430)

1. Roads--Interchanges and intersections. 2. Highway capacity. 3. Traffic flow.

03 APR 95 31007294 TLBAsc

ROADS--MAINTENANCE AND REPAIR--MANAGEMENT.

HE
131
.T687r
no.1442

Maintenance of the highway infrastructure. -- Washington, D.C. : National Academy Press, 1994.
vii, 169 p. : ill. ; 28 cm. -- (Transportation research record ; 1442)
ISBN 0-309-05522-9

1. Roads--Maintenance and repair--Management.

17 MAR 95 31930527 TLBAsc

ROADS--SHOULDERS--SAFETY MEASURES.

TE
228
.S69
B57
1994

Snyder, Richard E.
Bituminous shoulder rumble strips : final report / prepared by Richard E. Snyder. -- [Harrisburg : Pennsylvania Dept. of Transportation, Office of Research & Special Studies, 1994]
98 p. in various pagings : ill. ; 28 cm. -- (Research project ; 90-059)
STRN: PA-91-018+90-59

1. Roads--Shoulders--Safety measures. 2. Automobile driving--Physiological aspects. 3. Fatigue. 4. Roads--Safety measures.

04 APR 95 32189348 TLBAsc

ROADSIDE IMPROVEMENT--RESEARCH--NORTH CAROLINA.

TE
178
.S57
W43
1995

Skroch, Walter A.
Weed control management plan for wildflower plantings : final report / by Walter A. Skroch ... [et al.]. -- Raleigh, N.C. : Center for Transportation Engineering Studies, Dept. of Civil Engineering, North Carolina State University, [1995]
1 v. (unpaged) ; 28 cm.
Cover title: Weed control management plan for wildflower plant beds.
STRN: FHWA/NC/94-010
1. Roadside improvement--Research--North Carolina. 2. Weeds--Control--Research--North Carolina. 3. Wild flowers--Weed control--Research--North Carolina.

06 APR 95 32031420 TLBAsc

SERVICE INDUSTRIES--MANAGEMENT.

HD
38.5
.G72
S47
1994

Graw, LeRoy H.
Service purchasing : what every buyer should know / LeRoy H. Graw, Deidre M. Maples. -- New York : Van Nostrand Reinhold, c1994.
xiii, 187 p. : ill. ; 24 cm.
ISBN 0-442-01718-9

1. Service industries--Management. 2. Industrial procurement.

30 MAR 95 27814823 TLBAsc 93-10225

SOIL STABILIZATION.

HE
131
.T687r
no.1440

Design and performance of stabilized bases, and lime and fly ash stabilization. -- Washington, D.C. : National Academy Press, 1994.
v, 78 p. : ill. ; 28 cm. -- (Transportation research record ; 1440)
ISBN 0-309-05521-0

1. Soil stabilization. 2. Roads--Subgrades. 3. Roads--Base courses. 4. Fly ash. 5. Lime.

17 MAR 95 31763234 TLBAsc

TORT LIABILITY OF HIGHWAY DEPARTMENTS.

HE
131
.T687sy
no.206

Lewis, Russell M.
Managing highway tort liability / Russell M. Lewis. -- Washington, D.C. : National Academy Press, 1994.
40 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 206)
ISBN 0-309-05665-9

1. Tort liability of highway departments. 2. Government liability. 3. Highway law.

24 FEB 95 31905909 TLBAsc

SUBWAY STATIONS--ACCESS FOR THE PHYSICALLY HANDICAPPED.

TA
1225
.B46
D47
1994

Bentzen, Billie Louise.
Detectable warning surfaces : color, contrast, and reflectance / [Billie Louise Bentzen, Tina L. Nolin, Randolph D. Easton]. -- [Washington, D.C.] : Federal Transit Administration ; Springfield, VA : Available through the National Technical Information Service, [1994]
36 p. in various pagings : ill. ; 28 cm.
1. Subway stations--Access for the physically handicapped. 2. Transportation markings. 3. Visual perception. 4. Architecture and the visually handicapped. 5. Terminals (Transportati on)--Access for the physically ha ndicapped.

05 APR 95 31458735 TLBAsc

TRAFFIC SIGNS AND SIGNALS.

TE
228
.M32
R44
1994

Mace, Douglas J.
Relative visibility of increased legend size vs. brighter materials for traffic signs / [Douglas J. Mace, Philip M. Garvey, and Robert F. Heckard]. -- McLean, Va. : Federal Highway Administration, Office of Research and Development ; [Springfield, VA : Available through the National Technical Information Service, 1994]
v, 44 p. : ill. ; 28 cm.
STRN: FHWA-RD-94-035

1. Traffic signs and signals. 2. Brightness perception. 3. Visibility.

06 APR 95 32197400 TLBAsc

SUBWAY STATIONS--ACCESS FOR THE PHYSICALLY HANDICAPPED.

TA
1225
.D47
1994

Detectable warnings : detectability by individuals with visual impairments, and safety and negotiability on slopes for persons with physical impairments / [Billie Louise Bentzen ... et al.]. -- [Washington, D.C.] : Federal Transit Administration ; Springfield, VA : Available through the National Technical Information Service, [1994]
124 p. in various pagings : ill. ; 28 cm.

05 APR 95 31483799 TLBAsc SEE NEXT CRD

TRANSPORTATION AND STATE--MASSACHUSETTS.

HE
213
.M4
A22
1994

Accessing the future : the intermodal transportation plan for the Commonwealth of Massachusetts / Bureau of Transportation Planning and Development, Executive Office of Transportation and Construction. -- [Boston, Mass.] : The Bureau, 1994.
1 v. in various pagings : ill., maps ; 28 cm.

1. Transportation and state--Massachusetts. 2. Transportation--Massachusetts--Planning.

03 APR 95 32246247 TLBAsc

TELECOMMUTING--WASHINGTON (STATE)

HD
2336
.W2
W37
1994

Washington (State). Dept. of Transportation.
Telecommunications and transportation linkages : transportation policy plan for Washington State : key issues in 1994 : draft for public review & comment / [Washington State Dept. of Transportation, Planning Office]. -- [Olympia, WA] : Washington State Dept. of Transportation, Planning Office, [1994]
14 p. ; 28 cm.
1. Telecommuting--Washington (State) 2. Transportation--Washington (State)--Planning--Citizen participation. 3. Highway communications--Washington (State) 4. L ocal transit--Information s ervices--Washington (State)

06 APR 95 31061764 TLBAsc

TRANSPORTATION--ENVIRONMENTAL ASPECTS.

HE
131
.T687r
no.1444

Transportation environmental issues : air, noise, water, mitigation processes, and alternative fuels. -- Washington, D.C. : National Academy Press, 1994.
vii, 179 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1444)
ISBN 0-309-06050-8

1. Transportation--Environmental aspects.

03 APR 95 32188286 TLBAsc

TRANSPORTATION--NEW ENGLAND.

HE
207
.N484
1994

New England Transportation Initiative inventory report / states' project manager Charles Kepeta ; consultant project manger Marc Cutler. -- Cambridge, MA : Cambridge Systematics, Inc., 1994.
1 v. (various pagings) : ill., maps ; 28 cm.

1. Transportation--New England. 2. New England--Economic conditions. 3. Environmental policy--New England.

03 APR 95 30087172 TLBAsc

TRANSPORTATION--PLANNING.

HE
131
.T687sy
no.201

Rutherford, G. Scott, 1944-
Multimodal evaluation of passenger transportation / G. Scott Rutherford. -- Washington, D.C. : National Academy Press, 1994.
84 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 201)
ISBN 0-309-05663-2

1. Transportation--Planning. 2. Urban transportation.

17 MAR 95 31686715 TLBAsc 94-61483

TRAVEL MODEL IMPROVEMENT PROGRAM

HE
369
.S56
1994

Short-term travel model improvements : final report / prepared by Cambridge Systematics, Inc. with Barton Aschman Associates. -- Washington, D.C. : U.S. Dept. of Transportation ; Distributed in cooperation with Technology Sharing Program, [1994]
1 v. (various pagings) : 28 cm.

1. Travel Model Improvement Program 2. Urban transportation--Mathematical models 3. Traffic surveys

Rev-1 3-4-95 TLBAsc

TUNNELING--UNITED STATES--SAFETY MEASURES.

TA
805
.U52
1991

Underground construction : (tunneling). -- Rev. 1991. -- [Washington, D.C.?] : U.S. Dept. of Labor, Occupational Safety and Health Administration, 1991.
12 p. ; 21 cm.

1. Tunneling--United States--Safety measures. 2. Underground construction --Safety measures.

04 APR 95 25844354 TLBAsc

WASTE PRODUCTS AS ROAD MATERIALS--MAINE--EVALUATION.

TE
200
.A43
E92
1994

Alexander, John A.
Evaluation of recycled glass/ceramic products as an aggregate substitute for MDOT projects : final report / prepared by Chet A. Rock ... [et al.]. -- [Augusta] : Maine Dept. of Transportation, Technical Services Division, [1994]
38, [29] leaves ; 28 cm. -- (Technical paper / Maine Dept. of Transportation ; 93-1)

1. Aggregates (Building materials)--Maine--Evaluation. 2. Waste products as road materials--Maine--Evaluation. 3. Road materials--Maine--Evaluation.

27 FEB 95 31735537 TLBAsc

WORCESTER MUNICIPAL AIRPORT (MASS.)

HE
9797.6
.W67
W675
1994

Worcester Airport Commission.
Worcester Airport : 5 year plan of improvements and parallel taxiway to runway 11-29 / Federal Aviation Administration, Worcester Airport Commission. -- Boston, Mass. : Secretary of Enviromental Affairs, 1995.
2 v. : ill. ; 28 cm.

1. Worcester Municipal Airport (Mass.) 2. Airports--Massachusetts--Worcester.

05 APR 95 31945013 TLBAsc

WORK GROUPS.

HD
66
.P37
C76
1994

Parker, Glenn M., 1938-
Cross-functional teams : working with allies, enemies, and other strangers / Glenn M. Parker. -- 1st ed. -- San Francisco, Calif. : Jossey-Bass, c1994.
xxiv, 228 p. ; 24 cm. -- (The Jossey-Bass management series)
ISBN 1-55542-609-3

1. Work groups. 2. Intergroup relations. 3. Interorganizational relations. 4. Complex organizations.

30 MAR 95 29563745 TLBAsc 93-48674

WORK GROUPS.

HD
66
.S36
T42
1988

Scholtes, Peter R.
The team handbook : how to use teams to improve quality / Peter R. Scholtes with contributions by Brian L. Joiner ... [et al.]. -- Madison, WI, USA (P.O. Box 5445, Madison 53705-0445) : Joiner, c1988.
1 v. (various pagings) : ill. ; 23 cm.
ISBN 0-9622264-0-8

1. Work groups. 2. Quality circles.

30 MAR 95 18591219 TLBAsc 89-138092

FORECASTING.

A-V
HD
30.23
.P68
1990

The Power of vision [videorecording] / Joel A. Barker ; produced and distributed by Charthouse Learning Corporation. -- Burnsville, MN : Charthouse Learning Corporation, c1990.
1 videocassette (30 min.) : sd., col. ; 1/2 in. + 1 booklet. -- (Discovering the future.)

1. Forecasting. 2. Organizational change.

13 APR 95 22292997 TLBAsc

GEOGRAPHIC INFORMATION SYSTEMS.

HE
371
.T4
W54
1994

Williams, Tom A.
GIS protocol and data structures for the Texas travel demand package / by Tom A. Williams and George B. Dresser. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 53 p. : col. maps ; 28 cm. -- (Research report ; 947-7)
STRN: TX-94/947-8

1. Traffic surveys--Texas. 2. Traffic estimation--Texas. 3. Geographic information systems.

13 APR 95 32084800 TLBAsc

GEOSYNTHETICS.

HE
131
.T687r
no.1439

Durability of geosynthetics. -- Washington, D.C. : National Academy Press, 1994.
v, 54 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1439)
ISBN 0-309-05520-2

1. Geosynthetics. 2. Geotextiles. 3. Building materials--Service life.

17 MAR 95 31594990 TLBAsc

GROUND PENETRATING RADAR.

TE
205
.P56
D68
1994

Pippert, Robert C.
Development of a ground-penetrating radar to detect excess moisture in pavement subgrade / Robert C. Pippert, Richard G. Plumb, and Kourosh Soroushian. -- [Topeka : Kansas Dept. of Transportation, 1994]
vii, 80 p. : ill. ; 28 cm.
STRN: K-TRAN: KSU-91-1

1. Ground penetrating radar. 2. Pavements--Subgrades--Moisture.

06 APR 95 31966537 TLBAsc

GROUND PENETRATING RADAR.

TE
205
.S28
I46
1994

Scullion, Tom.
Implementation of the Texas ground penetrating radar / by Tom Scullion, Chun-Lok Lau, and Yiqing Chen. -- Rev. April 1994. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xvii, 84 p. : ill. ; 28 cm. -- (Research report ; 1233-1)
STRN: FHWA/TX-92/1233-1
1. Ground penetrating radar. 2. Pavements--Texas--Evaluation--Equipment and supplies. 3. Pavements--Texas--Evaluation--Data processing.

13 APR 95 32197078 TLBAsc

HIGH OCCUPANCY VEHICLE LANES.

HE
131
.T687r
no.1446

High-occupancy-vehicle systems and freeway operations. -- Washington, D.C. : National Academy Press, 1994.
v, 91 p. : ill. ; 28 cm. -- (Transportation research record ; 1446)
ISBN 0-309-06052-4

1. High occupancy vehicle lanes. 2. Express highways. 3. Electronic traffic controls. 4. Urban transportation.

17 MAR 95 31930637 TLBAsc

HIGH SPEED GROUND TRANSPORTATION--PENNSYLVANIA--PITTSBURGH.

TF
1600
.M35
1994

Maglev demonstration, design and development plan / Rail Systems Center, Carnegie Mellon Research Institute, Carnegie Mellon University. -- [Washington, D.C.] : Federal Transit Administration ; Springfield, Va. : Available through the National Technical Information Service, [1994]
1 v. (various pagings) : maps (some folded) ; 28 cm.
STRN: FTA-PA-08-7006-94-1

30 MAR 95 31695810 TLBAsc SEE NEXT CRD

HIGHWAY RESEARCH--UNITED STATES.

HE
131
.T687s
no.244

Highway research : current programs and future directions / Research and Technology Coordinating Committee. -- Washington, D.C. : Transportation Research Board, National Research Council, 1994.
vi, 112 p. ; 23 cm. -- (Special report / Transportation Research Board, National Research Council ; 244)
ISBN 0-309-06054-0

1. Highway research--United States.

03 APR 95 31656359 TLBAsc 94-42203

Better Roads

CONTENTS

EDITED EXCLUSIVELY FOR FEDERAL, STATE, COUNTY, TOWNSHIP, SPECIAL DISTRICT ROAD, AND MUNICIPAL STREET OFFICIALS AND ENGINEERS

VOLUME 65, NO. 4, APRIL 1995

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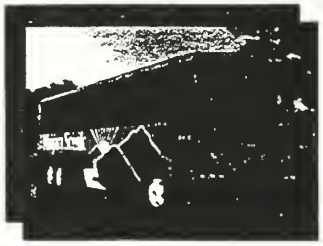

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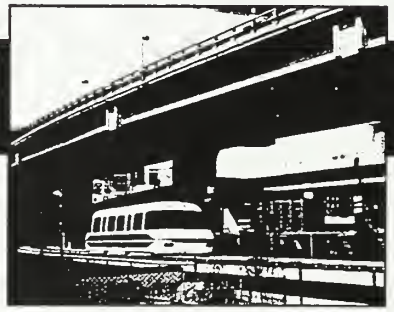

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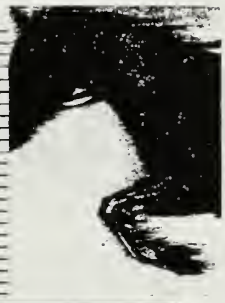

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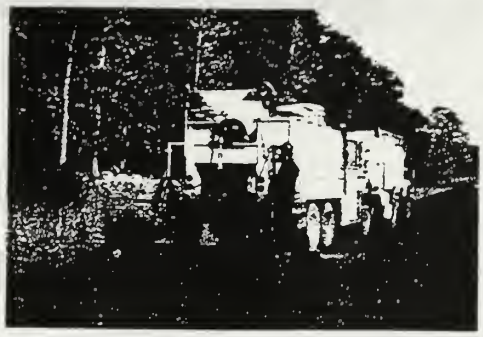

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AGED AUTOMOBILE DRIVERS--RESEARCH--UNITED STATES--DIRECTORIES.

HE
131
.T687c
no.434

Older driver resource directory / Transportation Research Board Committee on the Safety and Mobility of Older Drivers. -- 2nd ed. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
88 p. ; 22 x 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 434)

1. Aged automobile drivers--Research --United States--Directories. 2. Traffic safety--Research--United States--Directories.

03 MAY 95 32373200 TLBAsc

AGED AUTOMOBILE DRIVERS--UNITED STATES.

HE
131
.T687c
no.429

The licensing of older drivers / [sponsored by the Operator Education and Regulation Committee]. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
32 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 429)

1. Aged automobile drivers--United States. 2. Automobile drivers' licenses--United States.

24 MAY 95 32502462 TLBAsc

AIR--POLLUTION--UNITED STATES.

TD
886
.H37
T72
1993

Hartgen, David T.
Transportation-related air quality and economic growth in American cities, 1981-91 / by David T. Hartgen, Walter E. Martin, Andrew J. Reser. -- Charlotte, N.C. : Center for Interdisciplinary Transportation Studies, University of North Carolina at Charlotte, [1993]
38 leaves : ill., map ; 28 cm.
1. Air--Pollution--United States. 2. Air quality management--United States. 3. Transportation and state--United States. 4. Transportation--Environmental aspects--United States. 5. United States--Economic conditions.

26 MAY 95 30531324 TLBAsc

AIRPORTS--ACCESS FOR THE PHYSICALLY HANDICAPPED.

HV
3023
.A3
S62
1993

Soar one : a manual for training airport ground transportation drivers to support accessible transportation for persons with disabilities / developed by Cerenio Management Group. -- San Francisco, CA : Cerenio, c1993.
vi, 56 p. ; 28 cm.

1. Handicapped--Transportation. 2. Physically handicapped--Transportation. 3. Airports--Access for the physically handicapped.

Rev-1 6-14-95 TLBAsc

AIRPORTS--PLANNING.

HE
131
.T687r
no.1461

Airport and airspace planning and operations / Transportation Research Board, National Research Council. -- Washington, D.C. : National Academy Press, 1994.
v, 63 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1461)
ISBN 0-309-06103-2 (pbk.)

1. Airports--Planning.

13 JUN 95 32576279 TLBAsc

AIRPORTS--TEXAS--PLANNING.

HE
9797.5
.T4
L56
1994

Lindquist, Eric.
Texas aeronautical facilities plan development needs assessment / by Eric Lindquist and George B. Dresser. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xv, 52 p. ; 28 cm. -- (Research report ; 1913-3)
STRN: TX-94/1913-3

1. Airports--Texas--Planning. 2. Airports--Texas--Finance. 3. Airports --Texas--Costs.

23 MAY 95 30694126 TLBAsc 94-621823

ARCHITECTURAL PRACTICE--UNITED STATES--HANDBOOKS, MANUALS, ETC.

Oversize
NA
1996
.A72
1994

The architect's handbook of professional practice / edited by David Haviland. -- 12th ed. -- Washington, D.C. : American Institute of Architects Press, 1994-
v. : ill. ; 30 cm.
ISBN 1-55835-117-5

1. Architectural practice--United States--Handbooks, manuals, etc. 2. Architectural services marketing--United States--Handbooks, manuals, etc.

27 APR 95 30667683 TLBAsc 94-26001

ASPHALT-RUBBER.

TE
270
.M38
F53
1995

Maupin, G. W.
Field trials of asphalt rubber hot mix in Virginia / G.W. Maupin, Jr. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
iii, 32 p : ill. ; 28 cm. -- (VTRC ; 95-R16)

1. Asphalt-rubber. 2. Pavements, Asphalt--Additives. 3. Pavements--Virginia--Performance. 4. Roads, Rubberized--Virginia.

15 JUN 95 32117591 TLBAsc

AUTOMOBILE DRIVING--PHYSIOLOGICAL ASPECTS.

TL
152.3
.S32
H85
1994

Sadalla, Edward K.
Human factors in IVHS : age, driving stress and health / prepared by Edward K. Sadalla. -- Phoenix, Ariz. : Arizona Dept. of Transportation ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
v, 73 p. ; 28 cm.
STRN: FHWA-AZ-94-384

1. Automobile driving--Physiological aspects. 2. Stress (Psychology) 3. Intelligent Vehicle Highway Systems--Psychological aspects.

31 MAY 95 32379077 TLBAsc

AUTOMOBILES--MOTORS--EXHAUST GAS.

TD
886.5
.T6
K66
1994

Knowles, William E.
Mobile source emission impacts of high occupancy vehicle facilities / by William E. Knowles. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiv, 86 p. : maps ; 28 cm. -- (Research report ; 1353-2)
STRN: FHWA/TX-94/1353-2

1. Automobiles--Motors--Exhaust gas. 2. High occupancy vehicle lanes--Texas--Houston. 3. Air quality management.

14 JUN 95 32553738 TLBAsc

AUTOMOBILE PARKING.

HE
131
.T687r
no.1459

Parking and transportation demand management. -- Washington, D.C. : National Academy Press, 1994.
v, 67 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1459)
ISBN 0-309-06066-4

1. Automobile parking. 2. Commuting. 3. Ridesharing. 4. Employer-sponsored transportation.

24 MAY 95 32484472 TLBAsc

BOSTON (MASS.)--PICTORIAL WORKS.

REF.
Oversize
F
73.37
.B773
1990

Bostonian Society.
Old Boston in early photographs, 1850-1918 : 174 prints from the collection of the Bostonian Society / [compiled by] Philip Bergen. -- New York : Dover Publications, 1990.
xii, 116 p. : ill. ; 30 cm.
ISBN 0-486-26184-0

1. Boston (Mass.)--Pictorial works. 2. Boston (Mass.)--History--1865- --Pictorial works.

16 JUN 95 20352204 TLBAsc 89-35303r92

AUTOMOBILES--AUTOMATIC CONTROL.

TL
152.8
.H46
C92
1994

Hennessey, Michael P.
Evaluation of the E-TRAN vehicle propulsion concept / by Michael P. Hennessey, Max Donath. -- St. Paul : Minnesota Dept. of Transportation, Office of Research Administration ; Springfield, Va. : Available to the public through the National Technical Information Service, [1994]
v, 46 p. : ill. ; 28 cm. -- (Report ; no. 94-03)

1. Automobiles--Automatic control. 2. Electric vehicles.

21 APR 95 30697676 TLBAsc

BRIDGES, ARCHED--TEXAS--HOUSTON--DESIGN AND CONSTRUCTION.

TG
327
.D96
1994

Dynamic response : tied arch bridges, U.S. 59 Houston / by Partha P. Sarkar ... [et al.]. -- Rev. June 1994. -- Lubbock, Tex. : College of Engineering, Texas Tech University ; [Springfield, VA : Available through the National Technical Information Service, 1994]
ix, 69 p. : ill. ; 28 cm. -- (Research study ; no. 7-1982-1)
STRN: 7-1982-1

1. Bridges, Arched--Texas--Houston--Design and construction. 2. Bridges--Live loads. 3. Bridges--Aerodynamics. 4. Wind tunnels.

26 MAY 95 32525597 TLBAsc

AUTOMOBILES--CRASHWORTHINESS--COMPUTER SIMULATION.

TL
285
.W44
1995

Wekezer, Jerzy W.
Finite element modeling of motor vehicles : protocol for developing INGRID data input decks for DYNA3D computer code / [Jerzy W. Wekezer]. -- McLean, Va. : Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
v, 92 p. : ill. ; 28 cm.
STRN: FHWA-RD-94-153

1. Automobiles--Crashworthiness--Computer simulation. 2. Motor vehicles--Crashworthiness--Computer simulation. 3. DYNA3D (Computer file).

14 JUN 95 32094057 TLBAsc

BRIDGES, IRON AND STEEL--MAINTENANACE AND REPAIR.

TG
380
.A66
M342
1995

Appleman, H. R.
Maintenance coating of weathering steel : field evaluation and guidelines / [B.R. Appleman, R.E.F. Weaver and Joseph A. Bruno]. -- McLean, Va. : Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
vii, 123 p. ; 28 cm.
STRN: FHWA-RD-92-055

1. Bridges, Iron and steel--Maintenanace and repair. 2. Steel, Structural--Corrosion. 3. Protective coatings. 4. Bridges, Iron and steel--Corrosion.

30 MAY 95 32226886 TLBAsc

BRIDGES--MAINTENANCE AND REPAIR.

HE
131
.T687sy
no.200

Purvie, Ronald L.
Underwater bridge maintenance and repair / Ronald L. Purvis. -- Waehington, D.C. : National Academy Preee, 1994.
54 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 200)

1. Bridgee--Maintenance and repair. 2. Underwater conetruction. 3. Bridgee--Inepection.

15 JUN 95 31196431 TLBAsc 94-76365

BUILDING.

TH
145
.044
C66
1995

Olin, Harold Bennett.
Construction : principles, materials & methods / Harold B. Olin, John L. Schmidt, Walter H. Lewis. -- 6th ed. / revised by H. Leelie Simmons. -- New York : Van Noetrand Reinhold, c1995.
x, 1172 p. : ill. (some col.) ; 28 cm.
ISBN 0-442-00605-5

1. Building.

01 MAY 95 30398598 TLBAsc 94-16486

BUS LANES.

HE
336
.H4
T72
1989

Transitways / APTA. -- [Washington, D.C.] : American Public Transit Aeeociation, [1989]
16 p. : col. ill. ; 22 x 28 cm.

1. Bus lanes. 2. High occupancy vehicle lanes.

08 MAY 95 26517107 TLBAsc

BUS LINES--MARYLAND--PRINCE GEORGE'S COUNTY.

HE
5634
.P84
M62
1994

Mobility match in Prince George'e County, Maryland / prepared by JHK & Aesociatee, Inc. ; in aseociation with Ecosometrics, Inc. -- Washington, DC : Federal Transit Adminietration ; [Springfield, Va. : Available through the National Technical Information Service, [1994]
179 p. in varioue pagings : maps ; 28 cm.
STRN: FTA-MD-26-0005-94-1
1. Bue linee--Maryland--Prince George's County. 2. Paratransit eervicee--Maryland--Prince George's County. 3. Suburbe--Maryland--Prince George's County. 4. Commuting--Maryland--Pri nce George's County.

14 JUN 95 32428231 TLBAec

BUSES--MAINTENANCE AND REPAIR--ENVIRONMENTAL ASPECTS--UNITED STATES.

TL
232.2
.F74
S68
1995

Friend, David.
Sourcebook on traneit-related environmental regulations : requiremente affecting the acquisition and maintenance of transit vehiclee and facilitiee : final report / prepared by David Friend (EG&G Dynatrend). -- Washington, DC : Federal Traneit Administration : Distributed in cooperation with Technology Sharing Program, [1995]
1 v. (various pagings) : ill. ; 28 cm.
1. Buses--Maintenance and repair--Environmental aspects--United Statee. 2. Hazardous waetes--Management.

14 JUN 95 32576346 TLBAsc

CIVIL ENGINEERING--HANDBOOKS, MANUALS, ETC.

TA
151
.F53
1995

Field engineer's manual / Robert O. Parmley, editor-in-chief. -- 2nd ed. -- New York : McGraw-Hill, 1995.
xxix, 703 p. : ill. ; 22 cm.
ISBN 0-07-048579-8

1. Civil engineering--Handbooke, manuals, etc.

01 MAY 95 31656141 TLBAsc 94-42169

COMMUTERS--UNITED STATES--STATISTICS.

HE
371
.A3
N313
1994

NPTS urban travel patterne : baeed on data from the 1990 Nationwide Personal Traneportation Survey / prepared by COMSIS Corporation, Silver Spring, Maryland [for] Office of Highway Information Management. -- [Waehington, D.C.?] : U.S. Department of Transportation, Federal Highway Administration, 1994.
1 vol. (various paginge) : ill. ; 28 cm. -- (1990 NPTS nationwide personal traneportation eurvey.)
1. Commutere--United States--Statistice. 2. Commuting--United States--Statietics. 3. Urban traneportation--United States--Statietics.

15 MAY 95 31457370 TLBAec

COMMUTING.

HE
131
.T687r
no.1463

Travel behavior analysie, telecommuting, and public participation. -- Waehington, D.C. : National Academy Press, 1994.
v, 71 p. : ill. ; 28 cm. -- (Traneportation reeearch record, ISSN 0361-1981 ; no. 1463)
ISBN 0-309-06070-2

1. Commuting. 2. Telecommuting. 3. Traneportation--Planning--Citizen participation. 4. Paratransit servicee.

24 MAY 95 32501107 TLBAec

CONCRETE--RESEARCH.

HE
131
.T687r
no.1458

Concrete research. -- Washington, D.C. : National Academy Press, 1994.
vii, 134 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1458)
ISBN 0-309-06065-6

1. Concrete--Research.

24 MAY 95 32505550 TLBAsc

CONGESTION PRICING.

HE
131
.T687sy
no.210

Gomez-Ibanez, Jose A.
Road pricing for congestion management : a survey of international practice / Jose A. Gomez-Ibanez, Kenneth A. Small. -- Washington, D.C. : National Academy Press, 1994.
77 p. : maps ; 28 cm. -- (Synthesis of highway practice ; 210)
ISBN 0-309-05669-1

1. Congestion pricing. 2. Traffic congestion. 3. Toll roads.

03 MAY 95 32366813 TLBAsc 94-61900

CONSTRUCTION--RESEARCH.

HE
131
.T687r
no.1465

Construction research. -- Washington, D.C. : National Academy Press, 1994.
v, 38 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1465)
ISBN 0-309-06071-0

1. Construction--Research. 2. Highways--Research.

24 MAY 95 32505847 TLBAsc

DENVER INTERNATIONAL AIRPORT.

TL
726.4
.D4
N483
1994

United States. General Accounting Office.
New Denver airport : impact of the delayed baggage system : briefing report to the Honorable Hank Brown, U.S. Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
51 p. : ill. ; 28 cm.
1. Airports--Colorado--Denver--Design and construction--Costs. 2. Airports--Baggage handling--Automation--Evaluation. 3. Denver International Airport. 4. Airport terminal--Colorado--Den ver.

01 MAY 95 31387053 TLBAsc

DETECTORS.

TE
228
.B52
I52
1994

Bhagat, Victor.
Induction loop detector systems crosstalk / by Victor Bhagat and Donald L. Woods. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xi, 21, A-11 p. : ill. ; 28 cm. -- (Research report ; 1392-2)
STRN: FHWA/TX-94/1392-2

1. Detectors. 2. Electronic traffic controls. 3. Crosstalk. 4. Electric circuit analysis.

13 JUN 95 32484733 TLBAsc

DISABLED VEHICLES ON EXPRESS HIGHWAYS.

HE
336
.T7
S72
1993

Stack, Robert.
Caltrans District 12 real-time expert system for freeway incident management : final report / Robert Stack, Stephen G. Ritchie. -- Irvine, Calif. : University of California, Institute of Transportation Studies, [1993]
vii, 94 leaves : ill. ; 28 cm.

1. Disabled vehicles on express highways. 2. Express highways--California--Orange County--Management. 3. Expert systems (Computer science)

26 MAY 95 30938250 TLBAsc

DRUNK DRIVING--UNITED STATES--PREVENTION.

HE
131
.T687c
no.437

Strategies for dealing with the persistent drinking driver. -- Washington, D.C. : Transportation Research Board, National Research Council, [1995]
73 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 437)

1. Drunk driving--United States--Prevention. 2. Drinking and traffic accidents--United States. 3. Traffic safety--United States.

03 MAY 95 32366812 TLBAsc

ELECTRONIC TRAFFIC CONTROLS.

TE
228
.B465
1995

Benefits of the Texas traffic light synchronization (TLS) grant program II / by Daniel B. Fambro ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
2 v. : maps ; 28 cm. -- (Report ; 3010-1F)
STRN: TX-94/3010-1F
1. Traffic signs and signals--Texas. 2. Electronic traffic controls. 3. PASSER II (Computer file). 4. PASSER III (Computer file). 5. TRANSYT (Computer file).

08 MAY 95 32366790 TLBAsc

EXPRESS HIGHWAYS--MAINTENANCE AND REPAIR--COSTS.

TE
220
.W37
B86
1993

Ward, W. V.
Expediting urban highway construction / W.V. Ward and B. Frank McCullough. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
viii, 134, [6] p. : ill. ; 28 cm. -- (Research report ; 1227-1)
Cover title: Mitigating the effects of urban highway construction.
STRN: FHWA/TX-95+1227-1

14 JUN 95 32553920 TLBAsc SEE NEXT CRD

FREIGHT AND FREIGHTAGE--UNITED STATES.

Oversize
HE
2757
.R34
1994

Rail, intermodalism and ISTEA : a series of symposia on partnerships with railroads / sponsored by Federal Railroad Administration; Federal Highway Administration; U.S. Dept. of Transportation. -- [Washington, D.C.] : U.S. Dept. of Transportation, 1994.
1 v. in various pagings : ill. ; 30 cm.

1. Containerization--United States. 2. Railroads--United States. 3. Freight and freightage--United States. 4. United States. Intermodal Surface Transportation Efficiency Act of 1991.

Rev-1 6-2-95 TLBAsc

EXPRESS HIGHWAYS--MANAGEMENT.

HE
336
.T7
R36
1994

Ramp adaptive metering bottleneck optimization (RAMBO) user's manual / by Charles J. Messer ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 51 p. : ill. ; 28 cm. -- (Research report ; 1232-31)
STRN: FHWA/TX-94/1232-31

1. Express highways--Management. 2. Traffic flow--Management. 3. Traffic engineering--Software--Handbooks, manuals, etc. 4. RAMBO (Computer file)

31 MAY 95 32442799 TLBAsc

GEOGRAPHIC INFORMATION SYSTEMS.

G
70.2
.U84
1990

Using a GIS to locate land suitable for rezoning in the Town of Duxbury, Mass. -- Boston, Mass. : Metropolitan Area Planning Council, 1990.
1 v. (various pagings) : ill., maps ; 28 cm.

1. Geographic information systems. 2. Rural development--Information services--Massachusetts--Duxbury.

08 MAY 95 30575278 TLBAsc

FERRIES--UNITED STATES--DIRECTORIES.

HE
5773
.A3
P54
1995

Pilech, Martin C.
National waterborne passenger transportation data base / prepared by Martin C. Pilech and the Urban Harbors Institute. -- Washington, DC : Federal Transit Administration, Office of Technical Assistance and Safety ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
2 v. : maps, charts ; 28 cm.
STRN: FTA-MA-06-0197-01-01
1. Ferries--United States--Directories. 2. Ferries--United States--Databases. 3. Ferries--United States--Statistics.

27 APR 95 32243614 TLBAsc

GOVERNMENT VESSELS--UNITED STATES--EVALUATION.

VK
1473
.C62
1994

Coast Guard vessel preliminary hazard analysis / William A. Wheeler ... [et al.]. -- Washington, DC : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, VA : Available through the National Technical Information Service, [1994]
1 v. (various pagings) ; 28 cm.
STRN: CG-D-24-94

1. Government vessels--United States--Evaluation. 2. United States. Coast Guard--Search and rescue operations.

26 MAY 95 32329968 TLBAsc

FOUNDATIONS--CONGRESSES.

TA
775
.I56
P76
1994

International Conference on Design and Construction of Deep Foundations (1994 : Orlando, Florida)
Proceedings : International Conference on Design and Construction of Deep Foundations. -- [Washington, D.C.?] : FHWA, 1994.
3 v. (1825 p.) : ill. ; 28 cm.

1. Foundations--Congresses. 2. Piling (Civil engineering)--Congresses. 3. Boring--Congresses.

24 APR 95 31733671 TLBAec

HIGH OCCUPANCY VEHICLE LANES--UNITED STATES--MARKETING--HANDBOOKS, MANUALS, ETC.

HE
336
.H4
B542
1994

Billheimer, John W.
High occupancy vehicle (HOV) lane marketing manual : final report / prepared by John W. Billheimer, J.B. Moore, and Heidi Stamm. -- Washington, D.C. : Traffic Management Systems Division, Federal Highway Administration : Distributed in cooperation with Technology Sharing Program, [1994]
1 v. (various pagings) : ill., maps ; 28 cm.
1. High occupancy vehicle lanes--United States--Planning--Handbooks, manuals, etc. 2. High occupancy vehicle lanes --United States--Marketing--Handbooks, manuals, etc.

13 JUN 95 32584230 TLBAec

HIGHWAY COMMUNICATIONS--CONNECTICUT.

TE
228
.H36
D48
1994

Hanley, Richard C.
Development of the Connecticut Department of Transportation videodisc-based sign inventory system (VSIS) / Richard C. Hanley. -- Rocky Hill, Conn. : Connecticut Dept. of Transportation, Division of Research, [1994]
1 v. (various foliations) : ill. ; 28 cm.

1. Highway communications--Connecticut. 2. Traffic signs and signals--Connecticut. 3. Signs and signboards--Connecticut.

23 MAY 95 32107322 TLBAsc

HIGHWAY DEPARTMENTS--EMPLOYEES--SALARIES, ETC.--UNITED STATES--STATISTICS.

HE
131
.T687c
no.439

Progress report on maintenance and operations personnel / Committee on Maintenance and Operations Personnel, Transportation Research Board, National Research Council. -- Washington, D.C. : Transportation Research Board, National Research Council, [1995].
45 p. : charts ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 no. 439 (March 1995).)
1. Highway departments--United States--Employees--Statistics. 2. Highway departments--Employees--Salaries, etc.--United States--Statistics.

13 JUN 95 32609951 TLBAsc

HIGHWAY ENGINEERING.

HE
131
.T687r
no.1445

Cross section and alinement design issues. -- Washington, D.C. : National Academy Press, 1994.
vii, 204 p. : ill. ; 28 cm. -- (Transportation research record ; 1445)
ISBN 0-309-06051-6

1. Highway engineering. 2. Roads--Design and construction.

19 APR 95 32305814 TLBAsc

HIGHWAY ENGINEERING--CONTRACTS AND SPECIFICATIONS--UNITED STATES.

HE
131
.T687sy
no.190

Thomas, H. Randolph, 1945-
Criteria for qualifying contractors for bidding purposes / H. Randolph Thomas, Jr. & Gary R. Smith. -- Washington, D.C. : National Academy Press, 1994.
40 p. : forms ; 28 cm. -- (Synthesis of highway practice / National Cooperative Highway Research Program, ISSN 0547-5570 ; 190)

1. Highway engineering--Contracts and specifications--United States. 2. Contractors--United States--Selection and appointment. 3. Letting of contracts--United States

15 JUN 95 31007363 TLBAsc 93-61112

INTELLIGENT VEHICLE HIGHWAY SYSTEMS.

HE
131
.T687r
no.1453

Intelligent transportation systems : evaluation, driver behavior, and artificial intelligence / Transportation Research Board, National Research Council. -- Washington, D.C. : National Academy Press, 1994.
v, 104 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1453)
ISBN 0-309-06061-3 (pbk.)

1. Intelligent Vehicle Highway Systems. 2. Artificial intelligence.

24 MAY 95 32441894 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--VIRGINIA.

TE
228.3
.G37
A38
1995

Garber, Nicholas J.
Advanced technologies for improving large-truck safety on two-lane secondary roads / by Nicholas J. Garber, Kirsten A. Black. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
iii, 62 p. : charts ; 28 cm. -- (VTRC ; 95-R17)
STRN: FHWA/VA-95-R17
1. Intelligent Vehicle Highway Systems--Virginia. 2. Traffic safety--Virginia. 3. Truck accidents--Virginia. 4. Rural roads--Virginia.

14 JUN 95 32398363 TLBAsc

LEFT-TURN LANES--EVALUATION.

HE
336
.L43
D37
1994

Datta, Tapan K.
Assessment of the benefits for two-way center left-turn lanes (CLTL). Phase I report, State of the art report / [Tapan K. Datta]. -- Rev. May 1994. -- [Detroit, Mich.] : Wayne State University, Dept. of Civil and Environmental Engineering, [1994]
125 leaves : ill. ; 28 cm.
Cover title: Assessment of the benefits of two-way center left turn lanes.
STRN: FHWA-MI-RD-94-06
1. Left-turn lanes--Evaluation. 2. Traffic flow. 3. Roads--Interchanges and intersections.

14 JUN 95 32302688 TLBAsc

LOCAL TRANSIT--ECONOMIC ASPECTS--UNITED STATES.

HT
392
.B47
T72
1994

Bernick, Michael, 1953-
Transit-based development in the United States : a review of recent experiences / Michael Bernick, Robert Cervero, with Barbara Hadenfeldt, Carolyn Radisch, and Val Menotti. -- Berkeley : University of California at Berkeley, Institute of Urban and Regional Development, [1994]
ii, 47 p. : ill. ; 28 cm. -- (Working paper ; 611)
1. Local transit--Economic aspects--United States. 2. Real estate development--United States. 3. Housing development--United States. 4. Local transit stations--United States.

08 MAY 95 30827710 TLBAsc

LOCAL TRANSIT--FINANCE.

HE
131
.T687tts
no.6

Hartman, Ronald J.
The role of performance-based measures in allocating funding for transit operations / Ronald J. Hartman, Elaine M. Kurtz, Alan H. Winn. -- Washington, D.C. : National Academy Press, 1994.
52 p. : ill. ; 28 cm. -- (Synthesis of transit practice / Transit Cooperative Research Program ; 6)

1. Local transit--Finance.

19 APR 95 32266379 TLBAsc

LOCAL TRANSIT--INFORMATION SERVICES.

HE
4211
.H86
D48
1994

Hunter-Zaworski, Katharine M.
The development of ergonomic guidelines for electronic customer information systems / prepared by Katharine M. Hunter-Zaworski, Dean Watts. -- Washington, D.C. : Federal Transit Administration, Office of Technical Assistance and Safety ; Springfield, Va. : Available from National Technical Information Service, [1994]
ix, 59, [54] p. : ill. ; 28 cm.
STRN: FTA-OR-26-7000-94

23 MAY 95 32235208 TLBAsc SEE NEXT CRD

LOCAL TRANSIT--UNITED STATES--MARKETING.

HE
131
.T687r
no.1451

Public transportation 1994 : current research in planning and development; management, marketing, and fare policy ; and technology / Transportation Research Board, National Research Council. -- Washington, D.C. : National Academy Press, 1994.
v, 104 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1451)
ISBN 0-309-06059-1

03 MAY 95 32379066 TLBAsc SEE NEXT CRD

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--ACCESS FOR THE PHYSICALLY HANDICAPPED.

Oversize
HE
4491
.H719
S825
1990

MBTA guide to access : guidelines for designing barrier-free transportation facilities / prepared for Massachusetts Bay Transportation Authority; by Adaptive Environments Center. -- Boston, Mass. : Adaptive Environments Center, 1990.
225 p. : ill. ; 29 cm.

1. Physically handicapped--Massachusetts--Boston Metropolitan Area--Transportation. 2. Massachusetts Bay Transport ation Authority--Access for th e physically handicapped. 3. Massachusetts Bay

Rev-3 4-21-95 TLBAsc SEE NEXT CRD

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--BUSES.

TL
232
.M4
R46
1994

Massachusetts Bay Transportation Authority. Purchasing & Administrative Services.
RFP NO. CAP 45-94 150 new advanced design city transit buses / Massachusetts Bay Transportation Authority, Purchasing & Administrative Services. -- [Boston, Mass. : Massachusetts Bay Transportation Authority , 1994]
1 v. in various pagings : 28 cm.
1. Buses--Massachusetts--Boston Metropolitan Area. 2. Massachusetts Bay Transportation Authority--Buses. 3. Massachusetts Bay Transportation Authority--Buses--Design and construction. 4. Massachusetts Bay Transportatio n Authority--Buses--Contracts and specifications.

Rev-1 4-27-95 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--COMMUTER RAIL--PLANNING.

HE
2791
.O42
H675
1995

Supplemental draft environmental impact statement/report and section 4(f) evaluation for transportation improvements in the Greenbush Line corridor / United States Dept. of Transportation, Federal Transit Administration and the Massachusetts Bay Transportation Authority. -- [Cambridge, Mass.] : Federal Transit Administration, 1994-1995.
8 v. : ill., maps, plans ; 28 cm.
1. Old Colony Railroad. 2. Local transit--Massachusetts--Boston Metropolitan Area. 3. Massachusetts Bay Transportation Authority--Commuter rail--Planning.

Rev-1 5-17-95 TLBAsc

MICROSOFT WINDOWS 95.

QA
76.76
.O63
S36
1995

Schildt, Herbert.
Schildt's windows 95 programming in C and C++ / Herbert Schildt. -- California : McGraw-Hill, c1995.
xix, 447 p. : ill. ; 23 cm.
ISBN 0-07-882081-2

1. Operating systems (Computers) 2. Microsoft Windows 95.

06 JUN 95 32569655 TLBAsc

NIGHT VISION DEVICES.

TD
427
.P4
D36
1994

Daniels, G. M.
The detection of oil slicks at night with airborne infrared imagers / G.M. Daniels and G.L. Hover. -- Washington, DC : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1994]
83 p. in various pagings : ill. ; 28 cm.
STRN: CG-D-30-94

1. Night vision devices. 2. Oil spills.

25 MAY 95 32501064 TLBAsc

NOISE BARRIERS--NEW JERSEY--PUBLIC OPINION.

TD
893.3
.N5
S34
1992

Scire, Jack H.
Public response to noise barriers / by Jack H. Scire, Mark Marsella, and Vincent F. Nichnadowicz. -- [Trenton, N.J.] : New Jersey Dept. of Transportation, Division of Research & Demonstration, [1992]
iv, 114 p. : ill. ; 28 cm.
STRN: FHWA/NJ-93-003

1. Noise barriers--New Jersey--Public opinion. 2. Traffic noise--New Jersey --Public opinion.

14 JUN 95 32226827 TLEAsc

OIL SPILLS--MEASUREMENT.

TD
427
.P4
D47
1994

Design, construction, test and evaluation of a frequency scanning radiometer for measuring oil slick thickness / G.L. Hover ... [et al.]. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1994]
1 v. (various pagings) : ill. ; 28 cm.
STRN: CG-D-29-94
1. Oil spills--Measurement. 2. Oil pollution of the sea. 3. Microwave remote sensing.

25 MAY 95 32379074 TLEAsc

ORGANIZATIONAL CHANGE.

HD
58.8
.G68
T72
1995

Gouillart, Francis J.
Transforming the organization / Francis J. Gouillart and James N. Kelly. -- New York : McGraw-Hill, c1995.
xii, 323 p. : ill. ; 25 cm.
ISBN 0-07-034067-6 (cloth)

1. Organizational change.

15 JUN 95 32013208 TLEAsc 95-5486

PAVEMENTS, ASPHALT CONCRETE--DESIGN AND CONSTRUCTION.

HE
131
.T687r
no.1454

Asphalt concrete mixture design and performance. -- Washington, D.C. : National Academy Press, 1994.
viii, 201 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1454)
ISBN 0-309-06062-1

1. Pavements, Asphalt concrete--Design and construction. 2. Pavements, Asphalt concrete--Additives. 3. Pavements--Performance.

24 MAY 95 32501007 TLBAsc

PAVEMENTS, CONCRETE--JOINTS.

HE
131
.T687sy
no.211

McGhee, Kenneth H.
Design, construction, and maintenance of PCC pavement joints / Kenneth H. McGhee. -- Washington, D.C. : National Academy Press, 1995.
50 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 211)
ISBN 0-309-05671-3

1. Pavements, Concrete--Joints. 2. Portland cement.

13 JUN 95 32610304 TLBAsc 95-60497

PAVEMENTS--DESIGN AND CONSTRUCTION.

HE
131
.T687r
no.1449

Design and rehabilitation of pavements. -- Washington, D.C. : National Academy Press, 1994.
viii, 245 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1449)
ISBN 0-309-06056-7

1. Pavements--Design and construction. 2. Pavements--Maintenance and repair. 3. Pavements--Evaluation. 4. Pavements--Testing.

Rev-1 5-24-95 TLEAsc

PAVEMENTS--LIVE LOADS.

HE
5633
.T4
J66
1994

Jooste, Fritz J.
Victoria superheavy load move : report on route assessment and pavement modeling / by Fritz J. Jooste and Emmanuel G. Fernando. -- College Station, TX : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xix, 76 p. : ill. ; 28 cm. -- (Research report ; 1335-1)

1. Pavements--Live loads. 2. Pavements--Testing.

26 MAY 95 31401742 TLEAsc

PAVEMENTS--MAINTENANCE AND REPAIR--MANAGEMENT.

HE
131
.T687r
no.1455

Pavement management systems. -- Washington, D.C. : National Academy Press, 1994.
vii, 187 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1455)
At head of title: Pavement design, management and performance.
ISBN 0-309-06063-X

1. Pavements--Maintenance and repair --Management. 2. Pavements--Design and construction.

13 JUN 95 32554411 TLBAsc

PAVEMENTS--PERFORMANCE.

E
31
T687r
o.1448

Strength and deformation characteristics of pavement sections. -- Washington, D.C. : National Academy Press, 1994.
v, 106 p. : ill. ; 28 cm. -- (Transportation research record ; 1448)
ISBN 0-309-06057-5

1. Pavements--Performance. 2. Pavements--Design and construction.

19 APR 95 32305616 TLBAsc

PILING (CIVIL ENGINEERING)--EVALUATION.

TA
780
.P34
S55
1994

Paikowsky, Samuel G.
A simplified field method for the capacity evaluation of driven piles / [Samuel G. Paikowsky, John E. Regan and John J. McDonnell]. -- McLean, Va. : Federal Highway Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xxii, 291 p. : ill. ; 28 cm.
STRN: FHWA-RD-94-042

1. Piling (Civil engineering)--Evaluation. 2. Piling (Civil engineering)--Testing.

23 MAY 95 31441968 TLBAsc

PAVEMENTS--SUBGRADES--TESTING.

TE
211
.A58
E92
1993

Aouad, Marwan F.
Evaluation of flexible pavements and subgrades using the spectral-analysis-of-surface-waves (SASW) method / Marwan F. Aouad, Kenneth H. Stoke, and Jose M. Roesset. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
xxxii, 251 p. : ill. ; 28 cm. -- (Research report ; 1175-7F)
STRN: FHWA/TX-95+1175-7F
1. Pavements--Subgrades--Testing. 2. Pavements--Live loads--Testing. 3. Non-destructi ve testing. 4. Seismic waves . 5. Spectrum analysis.

26 MAY 95 32525444 TLBAsc

PLANING HULLS.

VM
761
.B76
D57
1994

Brown, P. Ward.
Directional stability tests of a 30 degree deadrise prismatic planing hull / P. Ward Brown and Walter E. Klosinski. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1994]
xix/x, 153, A25, B23, C-6 p. : ill. ; 28 cm.
STRN: CG-D-27-94

1. Planing hulls. 2. Ships. 3. Stability of ships.

25 MAY 95 32302774 TLBAsc

PHYSICALLY HANDICAPPED--TRANSPORTATION.

HV
3023
.A3
P67

Positioning and securing riders with disabilities and their mobility aids in transit vehicles : designing an evaluation program / by ECRI. -- Washington, D.C. : Project ACTION, [between 1993 and 1995]
xv, 138, [79] p. : ill. ; 28 cm.

1. Physically handicapped--Transportation. 2. Paratransit services. 3. Local transit--Access for the physically handicapped.

Rev-1 6-21-95 TLBAsc

RAILROADS--TRACK--INSPECTION--UNITED STATES.

TF
610
.U54
R34
1994

United States. General Accounting Office.
Railroad safety : continued emphasis needed for an effective track safety inspection program : report to Congressional committees / United States General Accounting Office. -- [Washington, D.C.] : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
60 p. : ill. ; 28 cm.
1. Railroads--Track--Inspection--United States. 2. Railroads--United States--Track--Maintenance and repair. 3. Railroad accidents--United States. 4. United Sta tes. Federal Railroad Administratio n--Rules and practice --Evaluation.

23 MAY 95 30548751 TLBAsc

PHYSICALLY HANDICAPPED--UTAH--CACHE COUNTY--TRANSPORTATION.

HV
3023
.U8
A38

Aguilar, Jay.
Final report on the transportation needs of people with disabilities in Cache County / submitted by Jay Aguilar (Bear River Association of Governments) ; Prianka N. Seneviratne (Utah State University). -- Washington, D.C. : Project ACTION, [between 1992 and 1995]
i, 99 p. : ill. ; 28 cm.

1. Physically handicapped--Utah--Cache County--Transportation. 2. Handicapped--Utah--Cache County--Transportation.

Rev-1 6-21-95 TLBAsc

ROAD CONSTRUCTION--SAFETY MEASURES.

TE
228
.W683
1990

Work area traffic control handbook. -- 7th ed. -- Los Angeles : BNi Books, 1990.
48 p. : ill. (some col.) ; 19 cm.

1. Road construction--Safety measures. 2. Traffic signs and signals.

08 MAY 95 25083481 TLBAsc

ROAD DRAINAGE.

TE
215
.M33
D72
1994

McEnroe, Bruce M.
Drainability of granular bases for highway pavements / Bruce M. McEnroe. -- [Topeka, Kan.] : Kansas Dept. of Transportation, 1994.
v, 53, [43] p. : ill. ; 28 cm.

1. Road drainage. 2. Roads--Base courses. 3. Pavements--Design and construction.

25 MAY 95 32183572 TLBAsc

ROAD DRAINAGE.

HE
131
.T687r
no.1471

Recent research on hydraulics and hydrology. -- Washington, D.C. : National Academy Press, 1994.
v, 70 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1471)
ISBN 0-309-06104-0

1. Road drainage. 2. Runoff. 3. Scour at bridges.

20 JUN 95 32658554 TLBAsc

ROADS--ARIZONA--INTERCHANGES AND INTERSECTIONS.

TE
176
.H42
R56
1994

Head, Larry.
RHODES project : phase II (A) / prepared by Larry Head, Pitu Mirchandani. -- Tucson, Ariz. : Systems and Industrial Engineering Dept., University of Arizona, [1994]
vi, 93, A-70 p. : ill. ; 28 cm.

1. Roads--Arizona--Interchanges and intersections. 2. Traffic engineering --Arizona.

31 MAY 95 31524195 TLBAsc

ROADS--CONNECTICUT--CRASH CUSHIONS--TESTING.

TE
228.2
.L63
T57
1994

Lohrey, Eric C.
Three (3)-year field evaluation of the narrow Connecticut impact-attenuation system (NCIAS) : final report / prepared by Eric C. Lohrey. -- Rocky Hill, CT : Connecticut Dept. of Transportation ; [Springfield, Va. : National Technical Information Service, 1994]
v, 19 leaves : ill. ; 28 cm.
STRN: FHWA-CT-RD-94-3

1. Roads--Connecticut--Crash cushions--Testing. 2. Roads--Connecticut--Crash cushions--Evaluation.

08 MAY 95 32197163 TLBAsc

ROADS--CRASH CUSHIONS--TESTING.

TE
228.2
.H42
D48
1994

Beason, W. Lynn.
Development of low-profile to safety-shape transition sections / by W. Lynn Beason, Don L. Ivey and Barry Anderson. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xi, 36 p. : ill. ; 28 cm. -- (Research report ; 1992-1)
STRN: TX-94/1992-1

1. Roads--Crash cushions--Testing. 2. Roads--Guard fences--Testing. 3. Roads--Safety measures.

23 MAY 95 32373211 TLBAsc

ROADS--EMBANKMENTS--DESIGN AND CONSTRUCTION.

HE
131
.T687c
no.438

Instrumentation of transportation embankments constructed on soft soil. -- Washington, D.C. : Transportation Research Board, National Research Council, [1995]
28 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 438)

1. Roads--Embankments--Design and construction. 2. Profilometer. 3. Soils--Testing.

03 MAY 95 32379523 TLBAsc

ROADS--LIGHTING--BREAK-AWAY SUPPORTS --EVALUATION.

TE
228
.H64
T47
1994

Bligh, Roger P.
Test and evaluation of Arizona slip-away base luminaire supports / prepared by Roger P. Bligh, Dean L. Sicking, D. Lance Bullard (Texas Transportation Institute). -- Phoenix, Ariz. : Arizona Dept. of Transportation ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
iv, 92 p. : ill. ; 28 cm.
STRN: FHWA-AZ94-386

1. Roads--Lighting--Break-away supports--Evaluation. 2. Roads--Safety measures--Evaluation.

23 MAY 95 32291289 TLBAsc

ROADS--MAINTENANCE AND REPAIR--MANAGEMENT.

HE
131
.T687sy
no.208

Graham, Jerry L.
Development and implementation of traffic control plans for highway work zones / Jerry L. Graham and James Migletz (Graham-Migletz Enterprises, Inc.). -- Washington, D.C. : National Academy Press, 1994.
37 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 208)
ISBN 0-309-05667-5

1. Roads--Maintenance and repair--Management. 2. Roads--Maintenance and repair--Safety measures. 3. Traffic flow.

19 APR 95 32279219 TLBAsc 94-61903

ROADS--SHOULDERS--SAFETY MEASURES.

TE
228.5
.G37
S56
1994

Garder, Per.
Shoulder rumble strips for improving safety on rural interstates : year one : final report / prepared by Per Garder, John Alexander. -- [Augusta, Me.] : Maine Dept. of Transportation, Technical Services Division, [1994]
35 leaves : ill. ; 28 cm. -- (Technical paper / Maine. Dept. of Transportation, Technical Services Division ; 94-4)

1. Roads--Maine--Shoulders--Safety measures. 2. Traffic accidents--Maine. 3. Fatigue. 4. Roads--Shoulders--Safety measures.

26 MAY 95 32442361 TLBAsc

ROADS--UNITED STATES--SAFETY MEASURES.

HE
131
.T687r
no.1468

Recent research on roadside safety features. -- Washington, D.C. : National Academy Press, 1994.
v, 94 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1468)
ISBN 0-309-06102-4

1. Roads--United States--Safety measures. 2. Roads--United States--Guard fences. 3. Traffic safety--United States. 4. Roads--Safety measures. 5. Roads--Guard fences.

20 JUN 95 32658474 TLBAsc

ROADS--SNOW AND ICE CONTROL--MANAGEMENT

HE
131
.T687sy
no.207

Kuemmel, David E.
Managing roadway snow and ice control operations / David E. Kuemmel. -- Washington, DC : National Academy Press, 1994.
56 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 207)
ISBN 0-309-05666-7

1. Roads--Snow and ice control--Management 2. Roads--Maintenance and repair--Management 3. Snow removal--Management.

19 APR 95 32260788 TLBAsc 94-61902

ROADS--UNITED STATES--SAFETY MEASURES--CONGRESSES.

HE
131
.T687c
no.435

Roadside safety issues. -- Washington, D.C. : Transportation Research Board/National Research Council, [1995]
92 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0092-8515 ; no. 435)

1. Roads--United States--Safety measures--Congresses. 2. Automobiles--Crashworthiness--United States--Congresses. 3. Roads--Safety measures--Congresses.

24 MAY 95 32523875 TLBAsc

ROADS--TEXAS--FINANCE.

HE
355.3
.F3
T492
1994

Texas highway cost allocation analysis and estimates, 1993-1995 / prepared by Mark A. Euritt ... [et al.]. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin, [1994]
viii, 55 p. : ill. ; 28 cm. -- (Research report ; 1919-3F, 1910-4F)
STRN: TX-95+1919-3F/1910-4F

1. Roads--Texas--Finance. 2. Transportation, Automotive--Taxation--Texas. 3. Trucks--Taxation--Texas.

23 MAY 95 32442838 TLBAsc

ROADSIDE IMPROVEMENTS--TEXAS.

TE
178
.I53
1994

Influence of adjuvants on Roundup effectiveness / by Robert E. Meyer ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 32 p. : ill. ; 28 cm. -- (Research report ; 902-10)
STRN: TX-94/902-10

1. Roadside plants--Texas. 2. Roadside improvements--Texas. 3. Grasses--Texas--Prevention. 4. Herbicides--Evaluation.

31 MAY 95 32340466 TLBAsc

ROADS--UNITED STATES--DESIGN AND CONSTRUCTION.

HE
131
.T687sy
no.216

Witheford, David K.
Implementation of technology from abroad / David K. Witheford. -- Washington, D.C. : National Academy Press, 1995.
44 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 216)
ISBN 0-309-05672-1

1. Roads--United States--Design and construction. 2. Technology transfer--United States. 3. Transportation--United States--Technological innovations.

15 JUN 95 32644968 TLBAsc 95-60499

ROUTE 44 (MASS.)

HE
356.3
.M444
N67
1992

Notice of project change : Route 44, Carver to Plymouth (Section III: Route 3/Samoset Street interchange) Plymouth / Federal Highway Administration; Commonwealth of Massachusetts Highway Dept. -- [Cambridge, Mass.] : Federal Highway Administration; [Boston, Mass.] : Massachusetts Highway Dept, 1992.
30 leaves : ill., maps ; 28 cm.

1. Highway planning--Environmental aspects--Massachusetts--Plymouth County. 2. Route 44 (Mass.)

Rev-1 5-3-95 TLBAsc

ROUTE 57 (MASS.)

HE
356
.M457
R683
1994

Route 57 relocation project, phase II : Agawam/Southwick, Massachusetts / U.S. Dept. of Transportation, Federal Highway Administration; Massachusetts Highway Dept. -- [Cambridge, Mass.] : Federal Highway Administration, 1994.
1 v. (various pagings) : ill., maps, plans ; 28 cm.

1. Route 57 (Mass.) 2. Highway relocation.

Rev-1 5-3-95 TLBAsc

ROUTE 128 (MASS.)

HE
356.5
.H71
R68
1989

Route 128/Totten Pond Road/Winter Street interchange : master plan feasibility study, Waltham, Massachusetts / prepared for The City of Waltham; prepared by Vanasse Hangen Brustlin, Inc. -- Boston, Mass. : Vanasse Hangen Brustlin, Inc., 1989.
92 leaves : plans ; 28 cm.
1. Route 128 (Mass.) 2. Traffic engineering--Massachusetts--Boston Metropolitan Area. 3. Roads--Massachusetts--Waltham--Interchanges and intersections. 4. Roads--Massachusetts--Interchanges and intersections.

Rev-1 5-30-95 TLBAsc

RURAL TRANSIT--KANSAS.

HV
3023
.K2
S78
1994

Stunkel, Edith L.
Transit ADA, transportation in non-urban areas : investigating the impact of the Americans with Disabilities Act on rural transit systems / Edith L. Stunkel (Kansas State University, Center for Aging). -- [Topeka] : Kansas Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1994]
iii, 66 p. : maps ; 28 cm.
STRN: K-TRAN: KSU-94-1
1. Rural transit--Kansas. 2. Physically handicapped--Kansas--Transportation. 3. United States. Americans with Disabilities Act of 1990.

23 MAY 95 32279200 TLBAsc

RURAL TRANSIT--UNITED STATES.

HE
5613.2
.R82
S72
1994

Rucker, George.
Status report on public transportation in rural America, 1994 / prepared by George Rucker (Community Transportation Association of America). -- Washington, DC : Federal Transit Administration : Distributed in cooperation with Technology Sharing Program, [1994]
iv, 31, [31] p. : map, charts ; 28 cm.

1. Rural transit--United States. 2. Local transit--United States. 3. Rural transportation--United States. 4. Rural Transit Assistance Program (U.S.)

14 JUN 95 32576244 TLBAsc

RURAL TRANSIT--UNITED STATES--DIRECTORIES.

REF.
HE
5613.2
.C65
D57
1994

Community Transportation Association of America.
Directory of specialized transportation providers funded by FTA's section 16 program / prepared by Community Transportation Association of America. -- Washington, DC : Rural Transit Assistance Program, Federal Transit Administration, U.S. Department of Transportation, [1994]
x, 340 p. ; 28 cm.

1. Rural transit--United States--Directories. 2. Rural Transit Assistance Program (U.S.)

Rev-1 6-13-95 TLBAsc

SHAFTS (EXCAVATIONS)

TE
228
.D482
1994

Design of drilled shafts for strain pole and mast arm foundations / prepared by Dr. Lewis Edgers. -- Medford, Mass. : Tufts Univ., Dept. of Civil and Environmental Egineering, 1994
142 p. : ill. ; 28 cm.

1. Shafts (Excavations) 2. Traffic signs and signals. 3. Poles (Engineering)

Rev-2 6-6-95 TLBAsc

STREET-RAILROADS--UNITED STATES--HISTORY.

HE
4471
.R68
T76
1956

Rowsome, Frank.
Trolley car treasury : a century of American streetcars, horsecars, cable cars, interurbans, and trolleys / Technical editor, Stephen D. Maguire. New York : Bonanza Books, [c1956]
200 p. : ill., ports., maps ; 28 cm.

1. Street-railroads--United States--History.

20 JUN 95 989251 TLBAsc

THIRD HARBOR TUNNEL (BOSTON, MASS.)

HE
379
.B71
T55
1995

No light at the end of this tunnel : Boston's Central Artery/Third Harbor Tunnel project. -- Washington, DC : Project on Government Oversight, 1995.
1 v. (various pagings) : map ; 28 cm.

1. Central Artery/Third Harbor Tunnel Project (Mass.)--Finance. 2. Tunnels--Massachusetts--Boston. 3. Roads--Design and construction--Massachusetts--Boston. 4. Central Artery (Boston, Mass.) 5. Third Harbor Tunnel (Boston, Mass.) 6. Interstate 93 (Mass.) 7. Interstate 90 (Mass.)

01 MAY 95 32080065 TLBAsc

TRAFFIC ACCIDENTS--UNITED STATES.

HE
131
.T687r
no.1467

Traffic and roadway accident analysis and traffic records research. -- Washington, D.C. : National Academy Press, 1994.
v, 55 p. : charts ; 28 cm. -- (Transportation research record ; no. 1467)
ISBN 0-309-06073-7

1. Traffic accidents--United States. 2. Traffic accident investigation--United States. 3. Crash injuries--United States.

15 JUN 95 32576255 TLBAsc

TRAFFIC ASSIGNMENT.

HE
336
.T68
T72
1994

Travel forecasting guidelines / by Patricia Bass ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xviii, 293 p. ; 28 cm. -- (Research report ; 1235-14)
STRN: FHWA/TX-95/1235-14

1. Traffic assignment. 2. Transportation--Texas--Planning. 3. Traffic estimation--Texas. 4. Trip generation--Texas.

16 JUN 95 32651706 TLBAsc

TRAFFIC FLOW--VIRGINIA--FAIRFAX COUNTY.

TE
228.3
.E92
1995

Evaluation of the use of live aerial video for traffic management / Michael J. Demetsky ... [et al.]. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
vii, 30 p. : ill. ; 28 cm. -- (VTRC ; 94-R14)
STRN: VTRC94-R14
1. Traffic flow--Virginia--Fairfax County. 2. Traffic congestion--Virginia--Fairfax County. 3. Aerial photography in traffic engineering. 4. Helicopters.

26 MAY 95 31917972 TLBAsc

TRAFFIC REGULATIONS--RESEARCH--UNITED STATES.

HE
131
.T687c
no.436

Program of research for traffic law enforcement. -- Washington, D.C. : Transportation Research Board, National Research Council, [1995]
20 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 436)

1. Traffic regulations--Research--United States.

03 MAY 95 32345213 TLBAsc

TRAFFIC SIGNS AND SIGNALS--STANDARDS --UNITED STATES.

REF.
TE
228
.M361
1993

Standards and guides for traffic controls for street and highway construction, maintenance, utility, and incident management operations. -- 1988 ed. of MUTCD, rev. 3. -- [Washington, D.C.] : U.S. Dept. of Transportation, Federal Highway Administration, [1993]
vii, 195 p. : ill. (some col.) ; 28 cm.
ISBN 0-16-043015-1

1. Traffic signs and signals--Standards--United States. 2. Roads--United States--Safety measures. 3. Electronic traffic controls.

16 JUN 95 30002740 TLBAsc

TRAFFIC SIGNS AND SIGNALS--UNITED STATES.

HE
131
.T687r
no.1456

Traffic signing, signals and visibility. -- Washington, D.C. : National Academy Press, 1994.
v, 145 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1456)
ISBN 0-309-06064-8

1. Traffic signs and signals--United States. 2. Electronic traffic controls. 3. Visibility.

20 JUN 95 32658477 TLBAsc

TRAFFIC SURVEYS.

HE
147.7
.R52
S97
1995

Richardson, Anthony J.
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Better Roads.

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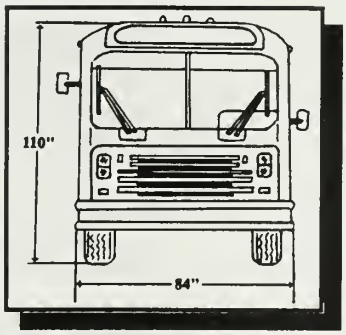

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GIS WORLD
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COVER HIGHLIGHT

At first glance, GIS is the last thing one might expect to find in Lancaster County, Pa. The county is home to the Amish, a group of people whose life style has endured, virtually unchanged, for more than 200 years. Steeped in traditional beliefs and ideologies, the Amish embrace a culture that dates back to the horse-drawn carriage. Using GIS, however, the county balances old traditions with new demands. Growth and resource management, property assessment and emergency response are just a few of the pressing issues at the forefront of county concern. To address these concerns, Lancaster embarked on a county-wide GIS implementation in the spring of 1993. Turn to page 58 to find out how the system has become an intricate part of the county's daily activities.

Photograph by Jack Szuchy.

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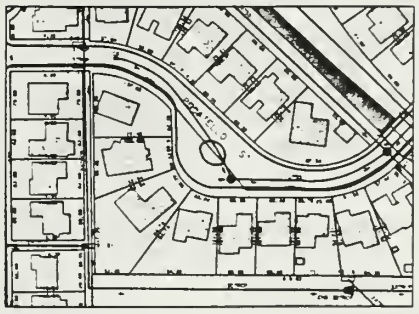

GIS WORLD

VOL. 8 NO. 7 The World's Leading Geographic Information Systems Publication JULY 1995

COVER HIGHLIGHT

Geography plays an important role in many aspects of history. Now, thanks to desktop computers and the development of powerful, user-friendly GISs, historians are beginning to apply the benefits of computer mapping to their research. For example, researcher John Allen used federal census data to create the inset cover map, displaying changes in wheat production by county in Virginia (including what later became West Virginia) between 1850 and 1860. The background map was provided courtesy of the rare map collection in the Hargrett Library at the University of Georgia Library. The collection can be accessed via the World Wide Web at *http://scarlett.libs.uga.edu/darchive/hargrett/maps/maps.html*. Turn to page 48 to find out more about the work of Allen and others applying GIS to historical research.

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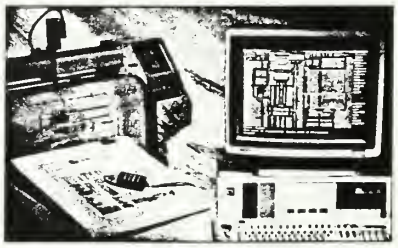

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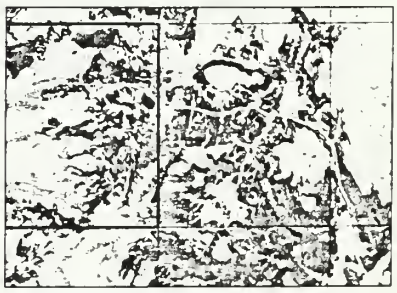

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THE PREMIER MAGAZINE OF THE WORLD-WIDE PARKING INDUSTRY

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ON THE COVER: Implementing effective revenue control systems can have a positive impact on the parking operation's bottom line. *Photo: Digital Stock Corporation*

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Public Contract LAW JOURNAL

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AIRLINES--GOVERNMENT POLICY--UNITED STATES.

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Boston Harbor navigation improvement dredging and berth dredging project / prepared by: Normandeau Associates Inc.; U.S. Army Corps of Engineers. -- Waltham, Mass. : U.S. Army Corps of Engineers, 1995.
3 v. : ill., maps ; 28 cm.

1. Dredging--Environmental aspects--Massachusetts--Boston--Harbor. 2. Boston Harbor (Mass.)--Navigation. 3. Boston Harbor (Mass.)

Rev-1 7-18-95 TLBAsc

HAZARDOUS WASTE SITES--LAW AND LEGISLATION--UNITED STATES.

I
55.3
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H384
1995

United States. General Accounting Office.
Hazardous waste : compliance with groundwater monitoring requirements at land disposal facilities : briefing report to the Ranking Minority Member, Committee on Governmental Affairs, U.S. Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
46 p. : ill., map, form ; 28 cm.
1. Hazardous waste sites--Law and legislation--United States. 2. Hazardous wastes--United States. 3. Groundwater-- Pollution--Law and legislation-- United States.

11 AUG 95 32178104 TLBAsc

ELECTRIC RAILROADS--CARS--DESIGN AND CONSTRUCTION.

HE
131
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no.2

Applicability of low-floor light rail vehicles in North America / Booz, Allen & Hamilton Inc. -- Washington, D.C. : National Academy Press, 1995.
173 p. : ill. ; 28 cm. -- (Report / Transit Cooperative Research Program, ISSN 1073-4872 ; 2)
ISBN 0-309-05373-0

1. Electric railroads--Cars--Design and construction. 2. Street-railroads --Access for the physically handicapped.

03 AUG 95 32890050 TLBAsc 95-60975

HIGH OCCUPANCY VEHICLE LANES--ELECTRONIC EQUIPMENT.

HE
336
.H4
W66
1994

Woods, Donald L.
Optimal detector location for HOV lane operation / Donald L. Woods. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xi, 11 p. : ill. ; 28 cm. -- (Research report ; 1392-7)
STRN: FHWA/TX-95/1392-7

1. High occupancy vehicle lanes--Electronic equipment. 2. Detectors--Location.

Rev-1 7-6-95 TLBAsc

FAIRBANKS INTERNATIONAL AIRPORT (ALASKA)

HE
8787.6
.F35
F35
1995

Fairbanks International Airport master plan update / prepared by TRA Airport Consulting. -- Anchorage, Alaska : TRA Airport Consulting, [1995]
1 v. (various pagings) : ill. ; 28 cm.

1. International airports--Alaska--Fairbanks--Planning. 2. Airports--Alaska--Fairbanks--Planning. 3. Fairbanks International Airport (Alaska)

26 JUN 95 32576212 TLBAsc

HIGH OCCUPANCY VEHICLE LANES--TEXAS--HOUSTON--PLANNING.

HE
336
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M32
1993

McCasland, William R.
Planning, design and operation of transportation facilities in Houston, Texas : a summary of activities / by William R. McCasland and John M. Mounce. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
xii, 18 p. ; 28 cm. -- (Research report ; 1941-2F)
STRN: TX-94/1941-2F
1. High occupancy vehicle lanes--Texas--Houston--Planning. 2. Fringe parking--Texas--Houston--Planning. 3. Traffic flow- -Texas--Houston.

06 JUL 95 31603381 TLBAsc

GLOBAL POSITIONING SYSTEM.

TL
798
.G4
F57
1995

Fitch, G. Michael.
Use of Global Positioning System for the capture of environmental data / G. Michael Fitch. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
ii, 22 p. : ill. ; 28 cm. -- (VTRC ; 95-R18)

1. Global Positioning System. 2. Transportation--Data processing.

20 JUL 95 32289015 TLBAsc

HIGH SPEED TRAINS--UNITED STATES.

HE
131
.T687r
no.1470

Railroad research issues. -- Washington, D.C. : National Academy Press, 1994.
v, 98 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1467)
ISBN 0-309-06101-6

1. High speed trains--United States. 2. Railroads--United States--Track. 3. Railroads--California, Southern--Electrification. 4. Railroad engineering.

28 JUN 95 32706719 TLBAsc

HIGHWAY DEPARTMENTS--UNITED STATES--STATES--MANAGEMENT.

HE
131
.T687n
no.371

State Departments of Transportation : strategies for change. -- Washington, D.C. : National Academy Press, 1995.
133 p. ; 28 cm. -- (NCHRP report ; 371)
ISBN 0-309-05371-4

1. Highway departments--United States--States--Management. 2. Highway departments--United States--States--Planning. 3. Transportation--United States--States--Planning.

28 JUN 95 32706880 TLBAsc 95-60666

INTERMODAL SURFACE TRANSPORTATION EFFICIENCY ACT OF 1991

HE
308
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1995

Working together on transportation planning : an approach to collaborative decision making / prepared by The National Association of Regional Councils in association with: Program for Community Problem Solving. -- [S.l.] : U.S. Department of Transportation, Federal Transit Administration, [1995]
52 p. ; 28 cm.
STRN: FTA-DC-26-6013-95-1
1. Intermodal Surface Transportation Efficiency Act of 1991 2. Clean Air Act Amendments of 1990 3. Transportation--United States--Planning 4. Transportation and state--United States.

20 JUL 95 32749201 TLBAsc

IMPACT FEES--WASHINGTON (STATE)--KING COUNTY.

HJ
9156
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K56
1989

King County (Wash.). Dept. of Public Works.
King County road mitigation payment system : a report to the King County Council / King County Dept. of Public Works. -- [Seattle : The Dept., 1989]
1 v. (various pagings) : ill. ; 28 cm.

1. Impact fees--Washington (State)--King County. 2. Roads--Washington (State)--King County--Finance.

20 JUL 95 30330056 TLBAsc

LAND USE--NEW JERSEY--PLANNING.

HE
4461
.P62
1994

Planning for transit-friendly land use : a handbook for New Jersey communities / consultant team: Skidmore, Owings & Merrill ... [et al.]. -- [Washington, D.C.] : U.S. Dept. of Transportation, Federal Transit Administration; [Springfield, VA : Available to the public through the National Technical Information Service, 1994].
133 p. : ill. ; 22 x 28 cm.
STRN: FTA-NJ-08-7001-94-1

1. Land use--New Jersey--Planning. 2. Local transit--United States--Planning.

21 JUL 95 32823140 TLBAsc

INDUSTRIAL POLICY--UNITED STATES.

HD
2346
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U83
1994

United States. General Accounting Office.
U.S. government aid to business : federal programs that provide management and technical assistance : fact sheet for the Honorable Joseph I. Lieberman and the Honorable Donald W. Riegle, Jr. / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1994]
8 p. ; 28 cm.
1. Industrial policy--United States. 2. Small business--Government policy--United States. 3. Small business--United States --Finance.

04 AUG 95 32917150 TLBAsc

LEFT-TURN LANES.

HE
336
.L43
H85
1991

Hummer, Joseph E.
Simulation of arterial left turn alternatives / by Joseph E. Hummer and Theresa D. Thompson. -- Charlotte, N.C. : University of North Carolina at Charlotte, Dept. of Civil Engineering, [1991]
23, [11] p. : ill. ; 28 cm. -- (Transportation publication report ; no. 61)

1. Left-turn lanes. 2. Traffic flow--Computer simulation. 3. Roads--Interchanges and intersections--Computer simulation. 4. TRAF-NETSIM (Computer program)

26 JUN 95 27655022 TLBAsc

INFRASTRUCTURE (ECONOMICS)--UNITED STATES--PLANNING.

HC
106.7
.L36
I53
1990

Landau, Steven R.
Infrastructure and economic development : a summary of a literature search / Steven R. Landau. -- Boston, Mass. : Metropolitan Area Planning Council, 1990.
[21] p. ; 28 cm.

1. Infrastructure (Economics)--United States--Planning.

04 AUG 95 30098947 TLBAsc

LOCAL TRANSIT--TEXAS.

HE
4491
.T4
L66
1994

Lindquist, Nell Frazer.
Examination of policies and programs supporting transit use in Texas / by Nell Frazer Lindquist, Kevin M. Hall, and Katherine F. Turnbull. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xvi, 76 p. : ill. ; 28 cm. -- (Research report ; 1975-2F)
1. Local transit--Texas. 2. Local transit stations--Texas--Design and construction. 3. Local transit--Ridership--Texas.

21 JUL 95 32793902 TLBAsc

LOCAL TRANSIT--TEXAS.

HE
5633
.T4
T87
1995

Turner, Patricia A.
Improving transit coordination in Texas / Patricia A. Turner, Katherine F. Turnbull. -- Rev. Mar. 1995. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1995]
xvi, 199 p. : ill. ; 28 cm. -- (Research report ; 1974-1)

1. Local transit--Texas.

08 AUG 95 32793748 TLBAsc

LOGAN INTERNATIONAL AIRPORT (MASS.)

TA
1207
.L63
1995

Logan 2000 people mover project : Boston-Logan International Airport / prepared by Lea+Elliot, Inc. ; Jason M. Cortell and Associates Inc. -- [Boston, Mass. : Lea+Elliott, Inc., 1995]
1 v. in various pagings : ill., maps, plans ; 28 cm.

1. Logan International Airport (Mass.) 2. Personal rapid transit--Massachusetts--Boston Metropolitan Area. 3. Intra-airport transportation --Massachusetts--Boston Metropolitan Area. 4. Airports--Massachusetts--Boston Metropolitan Area.

05 JUL 95 32763774 TLBAsc

LOW-VOLUME ROADS.

HE
131
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no.446

Assessing worldwide low-volume roads : problems, needs, and impacts / Committee on Low-Volume Roads A5002, Transportation Research Board, National Research Council. -- Washington, D.C. : Transportation Research Board, National Research Council, 1995.
28 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 446 (May 1995).)

1. Low-volume roads. 2. Rural roads. 3. Highway engineering.

03 AUG 95 32886099 TLBAsc

LOW-VOLUME ROADS--CONGRESSES.

HE
131
.T687cp
no.6

International Conference on Low-Volume Roads (6th : 1995 : Minneapolis, Minn.)
Sixth International Conference on Low-Volume Roads : Minneapolis, Minnesota, June 25-29, 1995 / sponsored by Forest Service, U.S. Department of Agriculture ... [et al.]. -- Washington, D.C. : National Academy Press, 1995.
2 v. : ill. ; 28 cm. -- (Conference proceedings, ISSN 1073-1652 ; 6)
ISBN 0-309-06074-5

1. Low-volume roads--Congresses. 2. Rural roads--Congresses.

03 AUG 95 32775632 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--BOYLSTON STREET STATION.

HE
4491
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S8295
1991

Boylston Street Station rehabilitation MBTA project S5PS10 : existing conditions survey and goals for station rehabilitation / Ann Beha Associates. -- [Boston, Mass.] : The Associates, 1991.
iv, 170 p. : ill., maps, plans ; 28 cm.

1. Historic buildings--Massachusetts --Conservation and restoration. 2. Boylston Street (Boston, Mass.) 3. Massachusetts Bay Transportation Authority--Green line--Stations. 4. Massachusetts Bay Transportation Authority--Boylston Street Station.

Rev-1 7-21-95 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--PARKING FACILITIES.

TL
175.2
.M37
1980

M.B.T.A. Transit park-ride improvement program : a staff report / prepared for the Massachusetts Bay Transportation Authority ; prepared by Construction Directorate. -- [Boston, Mass.] : Massachusetts Bay Transportation Authority, 1980.
vii, 98 p. : maps ; 28 cm.
Cover title: MBTA park-ride improvement program, January, 1980.

1. Massachusetts Bay Transportation Authority--Parking facilities. 2. Parking--Massachusetts--Boston Metropolitan Area. 3. Parking lots--Massachusetts--Boston Metropolitan Area.

Rev-1 8-11-95 TLBAsc

MORTAR--TESTING.

TA
437
.U83
1994

The use of robotics in the hydraulic cement mortars testing process / prepared by Sang-Shiun Chan ... [et al.]. -- Sweetwater : Texas State Technical College, [Dept. of Automation/Robotics, 1994]
v, 52 p. : ill. ; 28 cm.
STRN: TxDOT/TX-95/2928-1

1. Mortar--Testing. 2. Portland cement--Testing. 3. Robotics.

14 JUL 95 32706702 TLBAsc

PAVEMENTS, ASPHALT.

HE
131
.T687r
no.1469

Flexible pavement construction issues / Transportation Research Board, National Research Council. -- Washington, D.C. : National Academy Press, 1994.
v, 49 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1469.)

1. Pavements, Asphalt. 2. Pavements --Flexible.

13 JUL 95 32717011 TLBAsc

PAVEMENTS, ASPHALT--ADDITIVES.

TE
275
.R32
T53
1995

Raad, Lutfi.
Thermal cracking of rubber modified pavements / by Lutfi Raad, Xiaolin Yuan and Stephan Saboundjian. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northern Engineering, University of Alaska Fairbanks, [1995]
vii, 178 p. : ill. ; 28 cm.
STRN: SPR-UAF-93-09-C

1. Pavements, Asphalt--Additives. 2. Tires, Rubber--Recycling. 3. Asphalt-rubber--Effect of temperature on.

19 JUL 95 32633406 TLBAsc

PAVEMENTS, ASPHALT--RECYCLING.

TE
220
.E87
F53
1994

Estakhri, Cindy K.
Field performance of maintenance treatments constructed with reclaimed asphalt pavement (RAP) / by Cindy K. Estakhri. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xv, 51 p. : ill. ; 28 cm. -- (Research report ; 187-24)
STRN: FHWA/TX-95/187-24

1. Pavements, Asphalt--Recycling. 2. Pavements, Asphalt--Maintenance and repair.

21 JUL 95 32684591 TLBAsc

PAVEMENTS, ASPHALT--TESTING.

TE
270
.V47
1994

Verification of an asphalt aging test and development of superior recycling agents and asphalts / by Richard R. Davison ... [et al.]. -- College Station, Tex. : Texas Transportation Institute : Chemical Engineering Dept., Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xxxiii, 322 p. : ill. ; 28 cm. -- (Research report ; 1314-1F)

1. Pavements, Asphalt--Testing. 2. Pavements, Asphalt--Recycling. 3. Asphalt--Testing. 4. Asphalt--Recycling.

14 JUL 95 32785542 TLBAsc

PAVEMENTS--OVERLAYS.

TE
220.3
.R37
D48
1995

Rasmussen, Robert Otto.
Development of a bonded concrete overlay computer-aided design system / Robert Otto Rasmussen, B. Frank McCullough, Jose Weissmann. -- Austin : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
vii, 106 p. : ill. ; 28 cm. -- (Research report ; 2911-1)
STRN: TX-95-2911-1
1. Pavements--Overlays. 2. Pavements, Concrete--Maintenance and repair. 3. B COCAD (Computer file)

08 AUG 95 32898723 TLBAsc

PAVEMENTS, REINFORCED CONCRETE--MAINTENANCE AND REPAIR.

TE
220
.A44
C66
1994

Allison, Brent T.
Construction of rehabilitation test sections on U.S. 59 in the Lufkin District / by Brent T. Allison, B. Frank McCullough ; conducted for the Texas Department of Transportation. -- Austin : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
vii, 76 p. : ill., charts ; 28 cm. -- (Research report ; 987-3)
STRN: TX-93+987-3F

30 JUN 95 32607861 TLBAsc SEE NEXT CRD

PEDESTRIAN FACILITIES DESIGN.

TE
279.5
.P42
1994

Pedestrian signals : warrants and effectiveness / by Stephanie C. Otis ... [et al.]. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
ix, 100 p. : ill. ; 28 cm. -- (Research report ; 1296-2F)
STRN: FHWA/TX-95+1296-2F
1. Pedestrian facilities design. 2. Roads--Interchanges and intersections--Design and construction. 3. Electronic traffic controls. 4. Pedestrians--Psychology.

06 JUL 95 32651700 TLBAsc

PHYSICALLY HANDICAPPED--KANSAS--TOPEKA--TRANSPORTATION.

HV
3023
.K2
T72

Transportations and ADA issues in the Greater Topeka area / developed by Greater Topeka Partnership for Public Transportation ; prepared for Project ACTION. -- [Washington, D.C.] : Project ACTION, [between 1993 and 1995]
95, [23] leaves : ill. ; 28 cm.

1. Physically handicapped--Kansas--Topeka--Transportation. 2. United States. Americans with Disabilities Act of 1990.

Rev-1 6-22-95 TLBAsc

PLANING HULLS.

VM
761
.B76
B962
1995

Brown, P. Ward.
Experimental determination of the added inertia and damping of planing boats in roll / P. Ward Brown and Walter E. Klosinski. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1995]
viii, 35 p. : ill. ; 28 cm.
STRN: CG-D-30-95

1. Planing hulls. 2. Ships--Hydrodynamics. 3. Stability of ships.

14 JUL 95 32658533 TLBAsc

PLANING HULLS.

VM
761
.L48
P73
1985

Lewandowski, Edward M.
Free running model turning tests of the U.S. Coast Guard 47 ft motor life boat / Edward M. Lewandowski. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1985]
v/vi, 62, A6 p. : ill. ; 28 cm.
STEN: CG-D-06-85

1. Planing hulls. 2. Life-boats. 3. Stability of ships.

21 JUL 85 32658510 TLBAsc

RAILROADS--VIRGINIA--CROSSINGS--SAFETY MEASURES.

TE
228
.B74
I58
1985

Brich, Stephen C.
Investigation of retroreflective sign materials at passive railroad crossings / Stephen C. Brich. -- Charlottesville, Va. : Virginia Transportation Research Council, [1985]
iii, 35 p. : ill. ; 28 cm. -- (VTRC ; 85-R22)

1. Railroads--Virginia--Crossings--Safety measures. 2. Traffic signs and signals--Virginia--Evaluation. 3. Reflectors (Safety devices)--Evaluation. 4. Reflective materials--Evaluation.

20 JUL 85 32754347 TLBAsc

POWER RESOURCES--STATISTICS--PERIODICALS.

REF.
TJ
163.13
.I573

International energy annual. -- Washington, D.C. : U.S. Dept. of Energy, Energy Information Administration, International Statistics Division : Available from Supt. of Docs., U.S. G.P.O.,
v. : ill. ; 28 cm. -- (-1979: Energy data report)
Annual.
LATEST 2 YEARS ONLY.
Continues: International petroleum annual.
ISSN 0731-5341 = International energy annual
1. Power resources--Statistics--Periodicals.

20 JUL 85 7138645 TLBAsc82-641118r832

REGIONAL PLANNING--MASSACHUSETTS--BOSTON METROPOLITAN AREA .

HE
310
.B7
C65
1989

"The Commute" facts and figures for the commute forum. -- Boston, Mass. : Metropolitan Area Planning Council, [1989]
49 leaves : ill., maps ; 28 cm.

1. Regional planning--Massachusetts--Boston Metropolitan Area . 2. Transportation--Massachusetts--Boston Metropolitan Area--Planning. 3. Transportation--Massachusetts--Boston Metropolitan Area--Statistics.

05 JUL 85 32763840 TLBAsc

POWER RESOURCES--TAXATION--UNITED STATES.

HD
9502
.U52
S78
1991

Studies of energy taxes / Energy Information Administration, Office of Energy Markets and End Use, U.S. Department of Energy. -- Washington, DC : Energy Information Administration, Office of Energy Markets and End Use, U.S Dept. of Energy, [1991].
xi, 35 p. : ill. ; 28 cm. -- (Service report / Energy information Administration ; SR/EMEU/91-02)

1. Power resources--Taxation--United States. 2. Energy policy--United States.

11 AUG 85 23805681 TLBAsc

REGIONAL PLANNING--MASSACHUSETTS--BOSTON METROPOLITAN AREA.

HT
334
.B7
L36
1989

Massachusetts. Metropolitan Area Planning Council.
A landmark year : Metropolitan Area Planning Council 25th anniversary report. -- Boston, MA : The Council (60 Temple Pl., Boston 02111) ; 1989.
[18] p. : ill., maps ; 28 cm.

1. Regional planning--Massachusetts--Boston Metropolitan Area. 2. Massachusetts. Metropolitan Area Planning Council.

20 JUL 85 21472784 TLBAsc

RAILROADS--UNITED STATES--STATISTICS--PERIODICALS.

REF.
Oversize
HE
2708
.I4
I72

Annual report on transport statistics in the United States for the year ended ... / prepared by the Bureau of Transport Economics and Statistics. -- 68th (1954)- . -- Washington, D.C. : Interstate Commerce Commission : For sale by Supt. of Docs., U.S. G.P.O., 1955-
v. : ill. ; 28-30 cm.
Annual.
Continues: Annual report on the statistics of railways in the United States.
1. Railroads--United States--Statistics--Periodicals. 2. Transportation--United States--Statistics--P eriodicals.

Rev-1 8-11-85 TLBAsc 72-627360r82

REGIONAL PLANNING--MASSACHUSETTS--BOSTON METROPOLITAN AREA.

HT
394
.B7
M48
1989

Massachusetts. Metropolitan Area Planning Council.
Update 2000 : a progress report on Metroplan 2000. -- Boston, MA : Metropolitan Area Planning Council (60 Temple Pl., Boston 02111) ; [1989]
23 p. : ill., maps ; 28 cm.

1. Regional planning--Massachusetts--Boston Metropolitan Area.

11 AUG 85 21472798 TLBAsc

ROAD DRAINAGE--INDIANA.

TE
215
.M32
A46
1992

McCullough, Bob G.
Repair/rehabilitation of deteriorated drainage pipe / by Bob G. McCullough ; prepared for an investigation conducted by the Joint Highway Research Project, Engineering Experiment Station, Purdue University in cooperation with the Indiana Department of Transportation and the Federal Highway Administration. -- West Lafayette, Ind. : Purdue University, [1992]
iii, 71 p. : ill. ; 28 cm.
1. Road drainage--Indiana. 2. Culverts--Indiana--Maintenance and repair. 3. Drainage pipes--Indiana--Maintenance and repair.

04 AUG 95 25911352 TLBAsc

ROAD DRAINAGE--TEXAS.

TE
215
.G62
T45
1994

Godfrey, Sally H.
Temporary erosion control measures design guidelines for TxDOT / by Sally H. Godfrey and Jana P. Long. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xi, 101 p. : ill. ; 28 cm. -- (Research report ; 1379-1)
STRN: FHWA/TX-95/1379-1

1. Road drainage--Texas. 2. Runoff--Texas. 3. Soil conservation--Texas. 4. Roads--Environmental aspects--Texas.

19 JUL 95 32750746 TLBAsc

ROADKILLS--UNITED STATES.

HE
5614.2
.C65
H53
1995

Cook, Kenneth E.
Highway roadkill, safety, and associated issues of safety and impact on highway ecotones / by Kenneth E. Cook and Pierre-Marc Daggett. -- [Washington, D.C.] : Task Force on Natural Resources (A1 F52), Transportation Research Board, National Research Council, 1995.
21, [5] p. ; 28 cm.
Cover title: Highway roadkill, associated issues of safety and impact on highway ecotones.
1. Roadkills--United States. 2. Roadkills--Safety measures--United States. 3. Traffic safety--United States.

20 JUL 95 32720180 TLBAsc

ROADS--TECHNOLOGICAL INNOVATIONS.

HE
131
.T6871
no.1

Emerging concepts and products for highway systems. -- [Washington, D.C.] : IDEA Program, Transportation Research Board, National Research Council, 1994.
78 p. : ill. ; 28 cm. -- (NCHRP-IDEA annual progress report ; 1)

1. Roads--Technological innovations. 2. Highway engineering--Technological innovations. 3. Highway research. 4. Roads--Design and construction. 5. Roads--Maintenance and repair.

28 JUN 95 31795153 TLBAsc

ROADS--TEXAS--DESIGN AND CONSTRUCTION--QUALITY CONTROL.

TE
205
.F47
P76
1994

Fernando, E. G.
ProScan system evaluation / by Emmanuel G. Fernando and Gerardo M. Carmona. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 53 p. : ill. ; 28 cm. -- (Research report ; 1378-1)
STRN: FHWA/TX-95/1378-1
1. Roads--Texas--Design and construction--Quality control. 2. Roads--Texas--Riding qualities--Measurement. 3. Surface roughness--Measurement.

06 JUL 95 32553183 TLBAsc

ROADS--TEXAS--MAINTENANCE AND REPAIR.

TE
24
.T4
D57
1994

Disposal of hazardous materials from TxDOT activities / by Michael Stallard ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 26, A-3 p. ; 28 cm. -- (Research report ; 1318-1F)
STRN: FHWA/TX-94/1318-1F
1. Roads--Texas--Maintenance and repair. 2. Hazardous wastes--Texas. 3. Hazardous substances--Texas--Transportation. 4. Texas. Dept. of Transportation.

11 AUG 95 32750745 TLBAsc

ROADS--TEXAS--RIGHT OF WAY--COSTS.

TE
206
.P59
1994

Physical and access/locational characteristics of remainders of partial takings significantly affecting right-of-way costs / by J.L. Buffington ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xvii, 65 p. : ill. ; 28 cm. -- (Research report ; 1390-1)
STRN: FHWA/TX-94/1390-1
1. Roads--Texas--Right of way--Costs. 2. Roads--Texas--Design and construction--Costs. 3. Compensation (Law)--Texas.

06 JUL 95 32442691 TLBAsc

ROADSIDE IMPROVEMENT--TEXAS.

TE
178
.S55
1994

Simpkins, Cynthia Lynne.
Establishment of grass mixtures on roadsides / by Cynthia Lynne Simpkins. -- Rev. Nov. 1994. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xiii, 40 p. : map ; 28 cm. -- (Research report ; 902-6)
STRN: TX-94/902-6

1. Grasses--Texas. 2. Roadside plants--Texas. 3. Roadside improvement--Texas.

21 JUL 95 32340483 TLBAsc

ROADSIDE IMPROVEMENT--TEXAS.

TE
178
.S38
P72
1994

Schutt, James R.
Prairie restoration : an evaluation of techniques for management of native grass communities in highway roadsides in Texas / by James R. Schutt & Michael A. Teal. -- College Station, TX : Texas Transportation Institute ; [Springfield, VA : Available through the National Technical Information Service, 1994]
xii, 33 p. : maps ; 28 cm. -- (Research report / Texas Transportation Institute ; 944-1)
STRN: TX-94/944-1
1. Roadside improvement--Texas. 2. Grasses--Texas. 3. Roadside plants--Texas. 4. Pr airie conservation--Texas.

05 JUL 95 31857599 TLBAsc

ROADSIDE PLANTS--TEXAS.

TE
178
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STRN: FHWA-MA-EIS-94-01-D

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Rev-1 7-14-95 TLBAsc

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Rev-1 7-12-95 TLBAsc

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08 AUG 95 32714509 TLBAsc

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Rev-1 7-20-95 TLBAsc

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Cover photo by Mark Barnes

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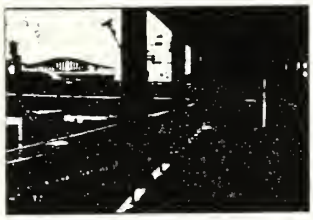

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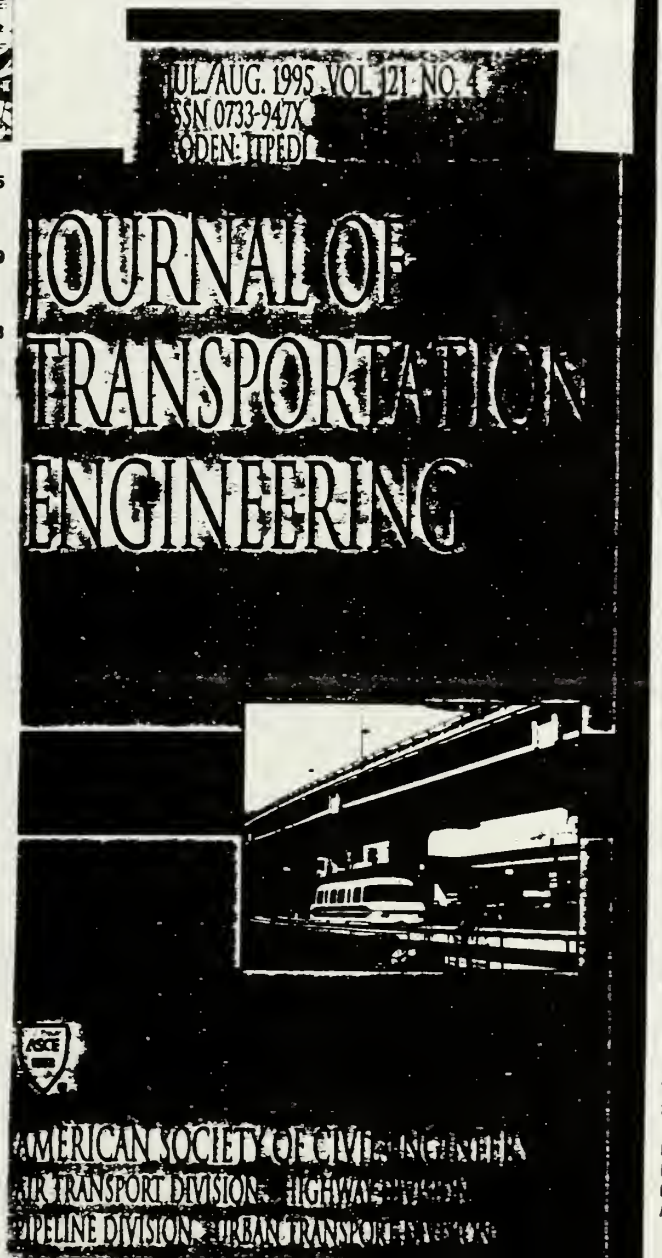

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AIR--POLLUTION--LAW AND LEGISLATION--UNITED STATES

HE
371
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S42
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United States. Environmental Protection Agency.
Section 187 : VMT forecasting and tracking guidance / United States Environmental Protection Agency. -- [Washington, D.C.] : Environmental Protection Agency, 1992
37 p. : 23cm. -- (Air / United States Environmental Protection Agency)

1. Air--Pollution--Law and legislation--United States 2. Air--Pollution--Measurement 3. Traffic surveys--United States. 4. Traffic estimation--United States.

26164672 TLBAsc

AIR QUALITY--MASSACHUSETTS.

TD
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1992

The relationship between air quality, transportation and future growth : how will we meet the mandates? / prepared by Metropolitan Area Planning Council. -- Boston, Mass : Metropolitan Area Planning Council, 1992.
10 leaves : ill., maps, charts ; 28 cm.

1. Air quality--Massachusetts. 2. Urban transportation--Massachusetts--Boston Metropolitan Area. 3. City planning--Massachusetts--Boston Metropolitan Area.

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AUTOMOBILE DRIVERS--TEXAS--PSYCHOLOGY.

TE
228
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Fambro, Daniel B.
Enhancements to passive warning devices at railroad-highway grade crossings / by Daniel B. Fambro, Michael M. Beitler and Sarah M. Hubbard. -- Rev. June 1994. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xviii, 221 p. : ill. ; 28 cm. -- (Research report ; 1273-1)
STRN: FHWA/TX-94/1273-1
1. Automobile drivers--Texas--Psychology. 2. Railroads--Texas--Crossings. 3 . Traffic signs and signals--Texa s--Evaluation.

32624756 TLBAsc

BICYCLE TRAILS--MASSACHUSETTS.

TE
301
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1995

Commonwealth of Massachusetts bicycle facilities inventory / by the Bicycle Coalition of Massachusetts. -- [Boston, Mass. : Massachusetts Highway Dept., 1995]
15 v. : ill., maps ; 28 cm.

1. Bicycle trails--Massachusetts. 2. Cycling--Massachusetts.

TLBAsc

BOSTON HARBOR (MASS.)

HE
953
.B7
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Held, Andrew Lawrence.
Public policy at sea : Massport and the decline of the port of Boston / by Andrew Held. -- Boston, Mass. : John W. McCormack Institute of Public Affairs, University of MA/Boston, 1992.
54 leaves ; 28 cm.

1. Boston Harbor (Mass.) 2. Massachusetts Port Authority. 3. Freight and freightage--Massachusetts--Boston 4. Shipping--Massachusetts--Boston.

TLBAsc

BRIDGES--FLOORS--INSPECTION.

TG
325.6
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B74
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Maser, Kenneth R.
Bridge deck survey technique using high-speed radar : final report / prepared by Kenneth R. Maser. -- [Nashville, Tenn.] : Tennessee Dept. of Transportation, [1995]
15, [10] p. : ill. ; 28 cm.
STRN: TN-RES1025

1. Bridges--Floors--Inspection. 2. Bridges--Floors--Maintenance and repair. 3. Pavements--Overlays. 4. Ground penetrating radar.

32525022 TLBAsc

BUS LINES--UNITED STATES--EVALUATION.

HE
131
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no.10

Benn, Howard P.
Bus route evaluation standards / Howard P. Benn. -- Washington, D.C. : National Academy Press, 1995.
54 p. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880; 10)

1. Bus lines--United States--Evaluation. 2. Bus lines--United States--Standards. 3. Customer service--United States.

32785000 TLBAsc

BUSES--DESIGN AND CONSTRUCTION.

TL
232
.U83
B82

User friendly bus interior design: reducing falls through improved visual environment / submitted to Federal Transit Administration [by] Pennsylvania Transportation Institute. -- University Park, Pa : Pennsylvania State University, 1994
2 v. : ill. ; 28 cm.

1. Buses--Design and construction. 2. Buses--Access for the physically handicapped. 3. Blind--Transportation. 4. Transportation--Blind. 5. Physically handicapped--Transportation. 6. Buses--Access for the physically handicapped.

31359385 TLBAsc

EARTHQUAKE RESISTANT DESIGN--WASHINGTON (STATE)--SEATTLE.

TG
320
.S444
1995

Eberhard, Marc O.
Seismic vulnerability of the Alaskan Way Viaduct : WSDOT typical unit / by Marc O. Eberhard, Jaime De la Colina, Stanley Ryter. -- [Olympia, Wash. : Washington State Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 1995]
181 p. in various pagings : ill. ; 28 cm.
STRN: WA-RD 363.1

33064145 TLBAsc SEE NEXT CRD

EARTHWORK.

HE
131
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no.444

Mechanically stabilized earth walls / Committee on Transportation Earthworks, Transportation Research Board, National Research Council. -- Washington, D.C. : Transportation Research Board, National Research Council, 1995.
17 p. : ill. ; 28 cm. -- (Transportation research circular; ISSN 0097-8515 ; no. 444 (May 1995).)

1. Earthwork. 2. Retaining walls. 3. Embankments.

32886094 TLBAsc

FORT POINT CHANNEL AREA (BOSTON, MASS.)

HE
4491
.B735
P783
1995

South Boston Piers/Fort Point Channel Project, Boston, Massachusetts : final finding pursuant to Massachusetts General Laws chapter 31, section 61 impact on the natural environment / prepared by URS Consultants, Inc. ... [et al.]. -- [Boston, Mass.] : URS Consultants, 1995.
1 v. in various pagings : ill. ; 28 cm.

1. Local transit--Massachusetts--Boston Metropolitan Area--Planning. 2. Fort Point Channel Area (Boston, Mass.) 3. South Boston Area (Boston, Mass.)

TLBAsc

GIRDERS--FATIGUE.

TA
492
.G5
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1995

Hassan, Ahmed F.
Fatigue strength of girders with taper cover plates / by Ahmed F. Hassan and Mark D. Bowman. -- West Lafayette, Ind. : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
8, xxi, 391 p. : ill. ; 28 cm.
STRN: FHWA/IN/JHRP-94/13

1. Girders--Fatigue. 2. Bridges, Iron and steel. 3. Steel bars--Fatigue.

33184413 TLBAsc

HIGHWAY CAPACITY--UNITED STATES.

HE
131
.T687s
no.245

Expanding metropolitan highways : implications for air quality and energy use / Committee for a Study of the Impacts of Highway Capacity Improvements on Air Quality and Energy Consumption. -- Washington, D.C. : Transportation Research Board, National Research Council, 1995.
viii, 387 p. : ill. ; 23 cm. -- (Special report ; 245)
ISBN 0-309-06107-5
1. Highway capacity--United States. 2. Traffic flow--United States. 3. Air--Pollution--Economic aspects--United States. 4. Energy consumption--United States.

32781164 TLBAsc 95-4464

INTERNET (COMPUTER NETWORK)

TK
5105.875
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W92
1994

Wyatt, Allen.
Success with Internet / Allen L. Wyatt. -- Las Vegas, NV : Jamsa Press, c1994.
xv, 429 p. : ill. ; 24 cm.
ISBN 1-884133-01-0 (pbk.)

1. Internet (Computer network) 2. Computer networks.

30425040 TLBAsc

LOCAL AREA NETWORKS (COMPUTER NETWORKS)

TK
5105.7
.W66
R45
1995

Wong, William, 1941-
Remote LAN connections / William Wong. -- New York : MGT Books, c1995.
xi, 372 p. : ill. ; 24 cm.
ISBN 1-55851-438-4

1. Local area networks (Computer networks)

32589572 TLBAsc 95-22152

LOCAL TRANSIT CRIME--UNITED STATES--CONGRESSES.

HV
7431
.N37
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1995

National Leadership Conference on Transit Security (1995 : Philadelphia, Pa.)
National Leadership Conference on Transit Security : report & recommendations : Philadelphia, Pennsylvania, March 1995 / sponsored by U.S. Department of Transportation, Federal Transit Administration, Office of Safety and Security. -- Washington, DC : Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
105 p. in various paginge ; 28 cm.
STRN: FTA-PA-26-0001-95-1

33001883 TLBAsc SEE NEXT CRD

LOCAL TRANSIT--PLANNING.

HE
131
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Cervero, Robert.
An evaluation of the relationships between transit and urban form / prepared by Robert Cervero (University of California, Berkeley) and Samuel Seskin (Parson Brinckerhoff Quade & Douglas). -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1995]
55 p. : ill. ; 28 cm. -- (Research results digest / Transit Cooperative Research Program ; no. 7)

1. Local transit--Planning. 2. Urban transportation--Planning. 3. Land use, Urban.

32989816 TLBAsc

LOGAN INTERNATIONAL AIRPORT (MASS.)--PLANNING.

HE
9797.6
.B7
P546
1994

Fuel distribution system project : federal environmental resource document, Massachusetts environmental notification form / submitted to Federal Aviation Administration and Massachusetts Executive Office of Environmental Affairs; prepared for Massachusetts Port Authority ; submitted by HMM Associates, Inc. -- Concord, Mass. : HMM Associates, Inc., 1994.
1 v. in various pagings : ill., plans ; 28 cm.

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MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--CARS, LRV--MAINTENANCE AND REPAIR.

TF
920
.M3
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1994

Overhaul specification for the MBTA Boeing Light Rail Vehicles / prepared by Booz, Allen & Hamilton. -- [Baltimore, Md. : Booz, Allen & Hamilton Inc., 1994]
1 v. in various pagings : ill. ; 28 cm.
1. Massachusetts Bay Transportation Authority--Cars, LRV. 2. Massachusetts Bay Transportation Authority--Cars, LRV--Maintenance and repair. 3. Massachusetts Bay Transportation Authority--Cars--Contracts and specifications. 4. Electric railroads--Massachusetts--Cars. 5. Electric railroads--Ca rs.

TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--PLANNING.

HE
2781
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P722
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Central Rail Link Task Force (Mass.)
Implementing integrated service. -- [Boston, Mass.] : Central Artery Rail Task Force, 1993.
58 p. : ill., maps ; 28 cm.
Running title: Central Artery Rail Link Task Force, implementing integrated service.
1. Massachusetts. Central Artery/Third Harbor Tunnel Project. 2. Railroads--Massachusetts--Boston--Design and construction. 3. Massachusetts Bay Transportation Authority--Commuter rail--North Station. 4. Massachusetts Bay Transportation Authority--Commuter rail--South S tation. 5. Massachusetts Bay Transportation Authority--Pl anning.

TLBAsc

MICROSOFT WINDOWS 95.

QA
76.76
.O63
M37
1995

Matthews, Martin S.
Windows 95 power tools / Martin S. Matthews. -- 3rd ed. -- New York : Random House, c1995.
xxiv, 630 p. : ill. ; 24 cm. + 1 computer laser optical disc (4 3/4 in.).
ISBN 0-679-75587-X

1. Microsoft Windows 95. 2. Operating systems (Computers)

33062761 TLBAsc

MOTOR VEHICLES--ALASKA--SKIDDING.

TE
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.L8
W56
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Lu, Jian John.
Winter vehicle traction and controllability performance / Jian John Lu. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northern Engineering, University of Alaska Fairbanks, [1995]
x, 61 p. : charts ; 28 cm.

1. Motor vehicles--Alaska--Skidding. 2. Studded tires--Alaska--Evaluation. 3. Pavements--Alaska--Skid resistance.

33089497 TLBAsc

PARENTING--UNITED STATES.

HQ
755.8
.L45
P37
1993

Leman, Kevin.
Parent talk / Kevin Leman & Randy Carlson. -- Nashville : Nelson, c1993.
319 p. ; 24 cm.
ISBN 0-8407-3447-6

1. Parenting--United States. 2. Child rearing--United States. 3. Talk shows--United States.

28375629 TLBAsc 93-25513

PASSENGER SHIPS--UNITED STATES--EVALUATION.

VM
381
.P54
R46
1995

Pilsch, Martin C.
A report on specific operational and dimensional design characteristics of the present United States passenger vessel fleet : data base and report / prepared by Martin C. Pilsch ; prepared for the Office of Technical Assistance and Safety, Federal Transit Administration, U.S. Dept. of Transportation. -- [Washington, D.C.] : Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
62 p. ; 28 cm.
STRN: FTA-MA-06-0197-02-02

32442041 TLBAsc SEE NEXT CRD

PAVEMENTS, CONCRETE--ADDITIVES.

TE
278
.L36
U83
1995

Lane, D. Stephen.
Use of fly ash, slag, or silica fume to inhibit alkali-silica reactivity / D. Stephan Lane, Celik Ozyildirim. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
iii, 35 p. ; 28 cm. -- (VTRC ; 95-R21)
STRN: FHWA/VA-95-R21

1. Pavements, Concrete--Additives. 2. Fly ash. 3. Waste products as road materials. 4. Alkali-aggregate reactions.

32940226 TLBAsc

PAVEMENTS, CONCRETE--JOINTS.

TE
278
.G72
A52
1994

Grater, Stefan Friederich, 1968-
Analysis of jointed concrete pavement / by Stefan F. Grater and B. Frank McCullough. -- Austin : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
x, 93 p. : ill. ; 28 cm. -- (Research report ; 1244-10)
STRN: FHWA/TX-95+1244-10

1. Pavements, Concrete--Joints. 2. Pavements--Live loads.

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PAVEMENTS--LIVE LOADS--TESTING--DATA PROCESSING.

TE
251.5
.L53
C65
1995

Lieh, Junghsen.
Computer simulation of dynamic truck loading using measured pavement profiles / Junghsen Lieh. -- Dayton, Ohio : Wright State University ; Springfield, Va. : Available through the National Technical Information Service, [1995]
235 p. : ill. ; 28 cm.
STRN: FHWA/OH-95/005

1. Pavements--Live loads--Testing--Data processing.

32877078 TLBAsc

PRIVATIZATION--COLORADO.

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29 p. ; 28 cm.

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19968181 TLBAsc

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08 SEP 95 32951470 TLBAsc

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Determination of contract time for highway construction projects / Zohar J. Herbsman and Ralph Ellis. -- Washington, D.C. : National Academy Press, 1995.
43 p. : charts ; 28 cm. -- (Synthesis of highway practice ; 215)
ISBN 0-309-05674-8

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32886132 TLBAsc 95-68358

ROADS--MAINTENANCE AND REPAIR--MANAGEMENT.

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v, 159 p. : ill. ; 28 cm. -- (Conference proceedings, ISSN 1073-1652 ; 5)
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1. Roads--Maintenance and repair--Management. 2. Bridges--Maintenance and repair--Management. 3. Pavements--Maintenance and repair--Management.

32882653 TLBAsc

ROADSIDE PLANTS--CALIFORNIA.

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The effects of topsoil reapplication on vegetation reestablishment / [V.P. Claassen and R.J. Zasoski]. -- Sacramento, Calif. : California Dept. of Transportation, Division of New Technology, Materials and Research ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
52 leaves in various foliations ; ill. (some col.) ; 28 cm.
STRN: FHWA-CA-TL-94/18
1. Soil conservation--California. 2. Roadside plants--California. 3. Roadside improvement--California. 4. Slopes (Soil mechanics)--California.

32945125 TLBAsc

RUNWAYS (AERONAUTICS)--ILLINOIS--MAINTENANCE AND REPAIR.

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Concepts and practices for considering GA airport pavement performance and longevity / prepared by T.J. Van Dam ... [et al.]. -- Urbana, Ill. : University of Illinois, Dept. of Civil Engineering ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
332 p. in various pagings : charts ; 28 cm.

1. Runways (Aeronautics)--Illinois--Maintenance and repair. 2. Pavements--Illinois--Performance. 3. Pavements--Illinois--Design and construction. 4. Pavements--Deterioration.

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RURAL TRANSIT--UNITED STATES--FORECASTING.

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Workbook for estimating demand for rural passenger transportation / SG Associates, Inc. ; with Leigh, Scott & Cleary, Inc. and C.M. Research, Inc. -- Washington, D.C. : National Academy Press, 1995.
123 p. : forms ; 28 cm. -- (TCRP report, ISSN 1073-4872 ; 3)
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1. Rural transit--United States--Forecasting.

33060080 TLBAsc 95-61341

SCOUR AT BRIDGES.

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Ruff, James F.
Bridge scour protection systems using toskanes. Phase I / prepared for Pennsylvania Department of Transportation, Commonwealth of Pennsylvania ; prepared by James F. Ruff and Lisa M. Fotherby. -- Fort Collins, Colo. : Engineering Research Center, Colorado State University, 1995.
217 p. in various pagings : ill., photos. ; 28 cm.

1. Scour at bridges. 2. Bridges--Foundations and piers.

33119697 TLBAsc

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Stark, Timothy D.
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33077870 TLBAsc

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iv, 85 p. : ill. ; 28 cm.
STRN: FHWA/OH-95/012

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32876823 TLBAsc

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1. Total quality management. 2. Local transit--United States--Personnel management. 3. Local transit--United States--Management.

31885300 TLBAsc

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1995

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Unconventional design and operation strategies for over-saturated major suburban arterials / by Jonathan L. Boone and Joseph E. Bummer. -- [Raleigh, NC] : Center for Transportation Engineering Studies, Dept. of Civil Engineering, North Carolina State University, [1995]
1 v. (various pagings) : ill. ; 28 cm.
STRN: FHWA/NC/94-009

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32920791 TLBAsc

TRAFFIC FLOW--MEASUREMENT.

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Detector location for computerized arterial street sampling detectors / Donald L. Woods and Neilon J. Rowan. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
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STRN: FHWA/TX-95/1392-6

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33077864 TLBAsc

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TRUCKING--LICENSES--TEXAS.

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1. Trucking--Licenses--Texas. 2. Bridges--Live loads--Law and legislation--Texas. 3. Trucks--Weight--Law and legislation--Texas.

32864084 TLBAsc

TRANSPORTATION--MASSACHUSETTS--BOSTON METROPOLITAN AREA.

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Massachusetts transportation facts / prepared by the Central Transportation Planning Staff. -- [Boston, Mass. : Central Transportation Planning Staff, 1995]
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Webb, Neila.
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Lowell, Douglas D.
Waste control practices at bus maintenance facilities / Douglas D. Lowell. -- Washington, D.C. : National Academy Press, 1995.
26 p. : ill. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880; 9)

1. Waste minimization. 2. Hazardous wastes--Law and legislation.

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TRUCK ESCAPE RAMPS.

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Tritsch, Steven L.
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1. Working mothers--Travel--United States--Statistics. 2. Women--Travel--United States--Statistics. 3. Ridesharing--United States--Statistics.

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CIVIL ENGINEERING
OCTOBER 1995 VOLUME 65 NUMBER 10

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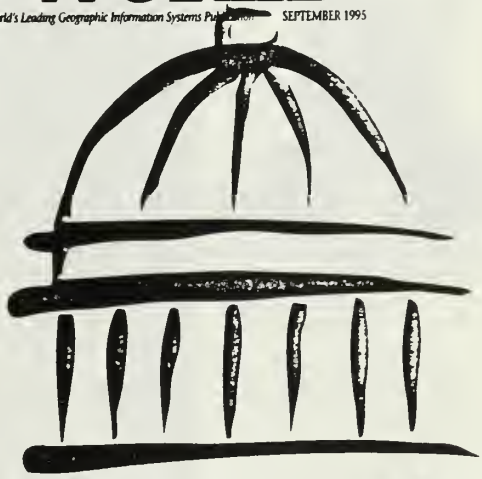
COVER HIGHLIGHT

As Congress debates the most severe set of proposals for budget cuts/savings in U.S. history, there's little about government that's not controversial and changing in 1995, including geographic technologies and the missions and agencies they affect. This month, *GIS WORLD* examines many of these technologies and their implications for government activities. To further explore such issues, attend the Geographic Technology in Government conference Sept. 5-8, 1995, at the Hyatt Regency Hotel, Reston, Va.



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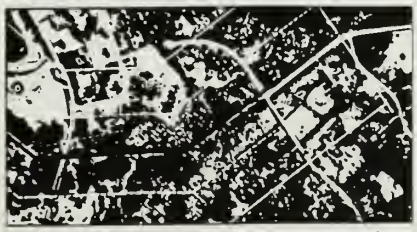

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By Robert B. Hoch

Page 54 The Federal Geographic Data Committee is at a crossroads. The direction it chooses could have serious consequences for geographic data users in the years ahead

GIS WORLD
VOL. 8 NO. 10 The World's Leading Geographic Information Systems Publication OCTOBER 1995

COVER HIGHLIGHT

The forests of North America's Pacific Northwest represent a diverse ecosystem. In Oregon, forests are a prime source of commercial timber and provide habitat for the northern spotted owl. In 1990, under authority of the 1973 Endangered Species Act, the U.S. Fish and Wildlife Service (USFWS) declared the owl a threatened species throughout its range in the Pacific Northwest. Suddenly, the region's timber companies had to modify harvest strategies in tree stands with known owl populations. With 300 jobs in question at Coos Bay, Ore., Weyerhaeuser Co. took an aggressive approach by designing a 50- to 80-year Habitat Conservation Plan, the first such plan approved by the USFWS in Oregon. As detailed in this month's cover story, beginning on page 36, the company used GIS extensively to model numerous harvest and habitat scenarios, resulting in a strategy that allows Weyerhaeuser to continue harvesting trees while improving owl dispersal habitat on its 209,000-acre Millicoma Tree Farm.

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Page 42 Steven Spielberg's Survivors of the Shoah, a Holocaust survivors video archive, uses GIS and spatial data to improve user visualization and understanding.

Page 46 Ian McHarg, GIS WORLD's 1995 Lifetime Achievement Award winner, says GIS has room to grow.

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Dedicated to the Construction, Rebuilding and Maintenance of the Nation's Dynamic Transportation Infrastructure

VOL. 33/NO. 9 SEPTEMBER 1995

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BRITISH TUNNELLING SOCIETY *At the meeting at the Civils in London on June 16, Alastair Biggart, Mott MacDonald, gave a stimulating presentation on the Storebaelt scheme, of which he was formerly Project Director. This is surely one of the most challenging, not to say star crossed, projects of our era, which has prompted innovative solutions to a number of serious misfortunes.*

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UNITED KINGDOM *Editor Mike Page visited the UK Steel Construction Institute to learn about a novel Steel-Concrete-Steel sandwich construction for immersed tube tunnels.*

Machines for varying geology 41
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TRANSPORTATION

An International Journal Devoted to the Improvement of Transportation Planning and Practice

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AIR QUALITY MANAGEMENT--UNITED STATES.

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Hartgen, David T.
Air quality planning : how are the MPOs responding? / by David T. Hartgen, Walter E. Martin, Andrew J. Keeer. -- Charlotte, N.C. : Center for Interdiciplinary Transportation Studies, The University of North Carolina, [1993]
30 leaves : ill., charts ; 28 cm.
1. Urban transportation--United States--Planning. 2. Urban transportation policy--United States. 3. Air quality management--United States. 4. Transportation--United States--Planning--Management. 5. Regional planning districts--United States. 6. M etropolitan areas--United States --Planning.

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Mead, Kenneth M.
Amtrak : deteriorated financial and operating conditions threaten long-term viability : statement of Kenneth M. Mead, Director, Transportation Issues, Resources, Community, and Economic Development Division, before the Subcommittee on Railroads, Committee on Transportation and Infrastructure, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
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117 p. : ill., maps ; 28 cm.
1. Amtrak--Finance. 2. Amtrak--Appropriations and expenditures. 3. Railroads--United States--Passenger traffic--Finance. 4. Privatization--United States . 5. Federal aid to transportatio n--United States.

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Statewide plan for utilization of scrap tires in Kansas : final report / by Richard G. Nelson, Mustaque Hossain. -- [Topeka : Kansas Dept. of Transportation, 1995]
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1. Asphalt-rubber. 2. Waste products as road materials--Kansas. 3. Tires, Rubber--Recycling. 4. Pavements, Asphalt--Kansas--Additives.

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Highway safety : causes of injury in automobile crashes : report to Congressional requesters / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
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1. Automobiles--Safety measures. 2. Traffic--Safety--United States. 3. Automobiles--Safety appliances.

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BOSTON (MASS.)--BUILDINGS, STRUCTURES, ETC.--PICTORIAL WORKS.

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Boston then & now : 59 Boston sites photographed in the past and present / Peter Vanderwarker, with the assistance of the Boston Public Library ; with a foreword by Robert Campbell. -- New York : Dover Publications, c1982.
121 p. : ill., 3 maps ; 28 cm.
ISBN 0-486-24312-5 (pbk.)

1. Boston (Mass.)--Buildings, structures, etc.--Pictorial works. 2. Boston (Mass.)--Pictorial works. 3. Historic sites--Massachusetts--Boston--Pictorial works. 4. Architecture--Massachusetts--Boston--Pictorial works.

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Destructive load testing of a damaged and deteriorated prestressed box beam / by Richard A. Miller, P.E., Ketan Parekh and J. Todd Halsey. -- Cincinnati, Ohio : Cincinnati Infrastructure Institute, Dept of Civil and Environmental Engineering, College of Engineering, University of Cincinnati ; Springfield, Va. : Available through the National Technical Information Service, 1995.
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1. Box beams--Testing. 2. Bridges, Box girder--Testing.

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BRIDGES, CONCRETE--DESIGN AND CONSTRUCTION--EVALUATION.

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Prototype expert system for resolution of concrete construction problems / H.B. Su ... [et al.]. -- [Topeka : Kansas Dept. of Transportation, 1994]
ii, 96 p. : ill. ; 28 cm.

1. Bridges, Concrete--Design and construction--Evaluation. 2. Bridges, Concrete--Design and construction--Data processing. 3. Expert systems (Computer science)

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Burns, N. H. (Ned Hamilton), 1932-
Factors affecting the design thickness of bridge slabs : results of static and fatigue test / by Ned H. Burns, Richard E. Klingner and Jubum Kim. -- Austin : Center for Transportation Research, Bureau of Engineering Research, University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
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1. Bridges, Concrete--Floors--Design and construction. 2. Bridges--Live loads--Testin g.

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2 v. : ill. ; 28 cm. -- (Conference proceedings ; 7)
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1. Bridges--Congresses.

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Xanthakos, Petros P.
Bridge substructure and foundation design / Petros P. Xanthakos. -- Englewood Cliffs, N.J. : Prentice Hall, 1995.
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1. Bridges--Foundations and piers--Design and construction.

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BRIDGES, IRON AND STEEL--MAINTENANCE AND REPAIR.

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Performance of epoxy-coated reinforcing steel in highway bridges / Kenneth C. Clear ... [et al.]. -- Washington, D.C. : National Academy Press, 1995.
153 p. : ill. ; 28 cm. -- (NCHRP report ; 370)
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1. Bridges, Iron and steel--Maintenance and repair. 2. Epoxy coatings. 3. Reinforcing bars--Corrosion.

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BRIDGES--LIVE LOADS--TESTING.

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1. Bridges--Live loads--Testing. 2. Bridges, Concrete--Testing. 3. Reinforced concrete construction--Testing.

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BRIDGES--MISSOURI--DRAINAGE SYSTEMS--TESTING.

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Scupper interception efficiency / by Charles D. Morris, Dirk L. Gowin, Martin C. Hesterberg. -- [Jefferson City, Mo.] : Missouri Highway and Transportation Dept., [1995]
62 leaves : ill. ; 28 cm. -- (Report / Missouri Cooperative Highway Research Program ; 92-2)

1. Bridges--Missouri--Drainage systems--Testing. 2. Bridges--Missouri--Drainage systems--Evaluation. 3. Road drainage--Missouri.

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BRIDGES, REINFORCED CONCRETE--INDIANA--DESIGN AND CONSTRUCTION.

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Alternatives to the current AASHTO standard bridge sections / Joseffa V. Meir ... [et al.]. -- West Lafayette, Ind. : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
iii, 146 p. : ill. ; 28 cm.
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1. Bridges, Reinforced concrete--Indiana--Design and construction. 2. Prestressed concrete beams--Evaluation. 3. Prestressed concrete beams--Specifications.

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BRIDGES, WOODEN--DESIGN AND CONSTRUCTION.

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Development of hardwood glu-laminated timber bridge design standards / submitted to Commonwealth of Pennsylvania, Dept. of Transportation by Harvey H. Manbeck ... [et al.]. -- [Harrisburg, Pa. : Commonwealth of Pennsylvania, Dept. of Transportation, 1994]
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1. Hardwoods. 2. Bridges, Wooden--Design and construction. 3. Laminated wood.

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Roberts, Bruce R.
Light emitting diode (LED) red buoy light / Bruce R. Roberts. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1995]
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STRN: CG-D-16-95

1. Buoys. 2. Light emitting diodes. 3. Aids to navigation.

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Schiavone, John J.
Transit bus service line and cleaning functions / John J. Schiavone. -- Washington, D.C. : Transportation Research Board, National Academy Press, 1995.
48 p. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880; 12)
ISBN 0-309-05857-0

1. Buses--Cleaning. 2. Buses--Maintenance and repair.

33066434 TLBAsc 95-61225

CENTRAL ARTERY (BOSTON, MASS.)

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Massachusetts. Dept. of Public Works.
Massachusetts report to the Federal Highway Administration on the Central Artery (I-93) Third Harbor Tunnel (I-90) project. -- [Boston, Mass. : Massachusetts Dept. of Public Works, 1985]
6, [5], 75, 3, 8 leaves : ill., maps ; 28 cm.

1. Central Artery (Boston, Mass.) 2. Interstate 93 (Mass.) 3. Interstate 90 (Mass.) 4. Third Harbor Tunnel (Boston, Mass.)

Rev-2 TLBAsc

CHICAGO TRANSIT AUTHORITY--INCOME.

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Staton, Spenser
Over and above the Chicago Transit Authority : sources of CTA revenue and the agencies that control them / by Spenser Staton and Arthur Lynne. -- Chicago, IL. : Center for Economic Policy Analysis, 1991.
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1. Chicago Transit Authority--Income. 2. Chicago Transit Authority--Finance. 3. Chicago Transit Authority--Administration.

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TL
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Application of tiltrotor technology to U.S. Coast Guard missions / J. Casler ... [et al.]. -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1993]
1 v. (various pagings) : ill. ; 28 cm.
STRN: CG-D-19-93

1. United States. Coast Guard--Search and rescue operations. 2. Convertiplanes. 3. Helicopters. 4. Vertically rising aircraft.

33084368 TLBAsc

CULVERTS--OHIO.

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Abdulshafi, Osama A. (Osama Ahmed), 1950-
Durability characteristics of precast concrete box culverts / by CTL Engineering, Inc., [Osama Abdulshafi, Bozena Kedzierski, Leon O. Talbert]. -- Columbus : Ohio Dept. of Transportation ; Springfield, Va. : Available to the public through the National Technical Information Service, 1995.
1 v. (various foliations) : ill. ; 28 cm.

1. Culverts--Ohio.

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Ueber, Eric Joseph.
Investigation of bonding materials for piezoelectric traffic monitoring equipment / by Eric Joseph Ueber, David W. Fowler, Ramon L. Carrasquillo. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xv, 105 p. : ill. ; 28 cm. -- (Research report ; 2039-1)
STRN: TX-95+2039-1
1. Binders (Materials) 2. Detectors. 3. Piezoelectric devices.

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ELECTRIC RAILROADS--CARS--DESIGN AND CONSTRUCTION.

HE
131
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Aids for rail car side-door observation / the Telephonics Corporation. -- Washington, D.C. : National Academy Press, 1995.
120 p. : ill. ; 28 cm. -- (Report / Transit Cooperative Research Program; ISSN 1073-4872 ; 4)
ISBN 0-309-05701-9

1. Electric railroads--Cars--Design and construction. 2. Electric railroads--Cars--Evaluation. 3. Mechanically-operated doors--Testing.

33213314 TLBAsc 95-61338

ENERGY CONSUMPTION--UNITED STATES--STATES--STATISTICS--PERIODICALS.

REF.
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State energy data report / prepared by Statistics Branch. -- Washington, D.C. : U.S. Dept. of Energy, Energy Information Administration, Office of Energy Markets and End Use : Available from the Supt. of Docs., U.S. G.P.O.,
v. ; 22 x 28 cm.
Annual.
Began with 1960/78.
LATEST 2 YEARS ONLY
1. Energy consumption--United States --States--Statistics--Periodicals. 2. Power resources--United States--States --Statistics--Periodicals. 3. Energy industries--United States--States-- Statistics--P eriodicals. 4. Fuel-- United States --States--Statistics-- Periodicals.
6366728 TLBAsc 82-642175r84

EXPRESS HIGHWAYS.

HE
131
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no.443

Program of research for freeway operations / Committee on Freeway Operations, Transportation Research Board, National Research Council. -- Washington, D.C. : Transportation Research Board, National Research Council, 1995.
22 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515; no. 443 (May 1995).)

1. Express highways. 2. Intelligent Highways. 3. Vehicle Systems.

32886088 TLBAsc

FLIGHT TRAINING.

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1988

Williams, Kenneth R.
In pursuit of quality training for Part 135 airline pilots / a special report prepared for the Aviation Research and Education Foundation by Kenneth R. Williams, Thomas E. Degen. -- Herndon, Va. : Aviation Research and Education Foundation, 1988.
1 v. in various pagings ; 28 cm.

1. Flight training. 2. Commuter aircraft--Piloting. 3. Airplanes--Piloting.

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FREIGHT AND FREIGHTAGE--UNITED STATES--TRANSPORTATION.

HE
199
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1995

Muller, Gerhardt, 1943-
Intermodal freight transportation / Gerhardt Muller. -- 3rd ed. -- Greenbelt, MD : Intermodal Association of North America ; Landsdowne, VA : Eno Transportation Foundation, c1995.
x, 287 p. : ill. ; 28 cm.

1. Freight and freightage--United States--Transportation. 2. Containerization--United States.

32736431 TLBAsc

GEOTEXTILES--EVALUATION.

TA
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1994

The performance of flexible erosion control materials and hydraulic mulches / by Sally H. Godfrey ... [et al.]. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System, 1994.
274 p. in various pagings : ill. ; 28 cm. -- (Research report ; 1914-2)
STRN: TX/95-1914-2

1. Soil stabilization. 2. Geotextiles--Evaluation. 3. Roads--Embankments.

33662320 TLBAsc

GLOBAL POSITIONING SYSTEM.

VK
397
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1995

Mueller, Tysen.
Wide area DGPS design issues study / Tysen Mueller, Peter Loomis, Len Sheynblat (TAU Corporation). -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1995]
1 v. (various pagings) : ill. ; 28 cm.
STRN: CG-D-01-95

1. Aids to navigation. 2. Beacons. 3. Global Positioning System.

32624668 TLBAsc

HAZARDOUS WASTE SITE REMEDIATION--
UNITED STATES.

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1995

Guerrero, Peter F.
Superfund : information on operations and maintenance activities and costs : statement for the record by Peter F. Guerrero, Director, Environmental Protection Issues, Resources, Community, and Economic Development Division, before the Subcommittee on Commerce, Trade, and Hazardous Materials, Committee on Commerce, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
10, [2] p. : ill. ; 28 cm. -- (Testimony ; GAO/T-RCED-95-201)

32688271 TLBAsc SEE NEXT CRD

HIGHWAY COMMUNICATIONS--VIRGINIA.

[E
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1995

An Investigation of operational procedures for highway advisory radio systems / Brian L. Smith ... [et al.]. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
iii, 26 p. ; 28 cm. -- (VTRC ; 96-R4)

1. Highway communications--Virginia. 2. Intelligent Vehicle Highway Systems --Virginia. 3. Automobiles--Radio equipment.

33252745 TLBAsc

INDUSTRIAL ARCHAEOLOGY--
MASSACHUSETTS--BOSTON.

REF.
2.5
867
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Stott, Peter.
A guide to the industrial archaeology of Boston proper / Peter Stott. -- Cambridge, Mass. : MIT Press, c1984.
66 p. : ill. ; 23 cm.
ISBN 0-262-69090-X (pbk.)

1. Industrial archaeology--Massachusetts--Boston.

10723825 TLBAsc 84-9643

INTELLIGENT VEHICLE HIGHWAY SYSTEMS.

B
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Smith, Brian L.
Traffic flow forecasting for intelligent transportation systems / B.L. Smith, M.J. Demetsky. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
iii, 25 p. : ill. ; 28 cm. -- (VTRC ; 95-R24)
STRN: FHWA/VA-95-R24

1. Traffic flow--Mathematical models. 2. Traffic estimation--Mathematical models. 3. Intelligent Vehicle Highway Systems.

32940222 TLBAsc

INTERNET (COMPUTER NETWORK)--
DIRECTORIES.

REF.
TK
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Hahn, Harley, 1952-
The internet yellow pages / Harley Hahn and Rick Stout. -- [1st]- . -- Berkeley : Osborne McGraw-Hill, c1994-
v. : ill. ; 26 cm.
Annual.
LATEST YEAR ONLY

1. Internet (Computer network)--Directories. 2. Electronic mail systems--Directories.

30968738 TLBAsc SN95-17151

LAND USE--GOVERNMENT POLICY--
MASSACHUSETTS.

HD
211
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1989

Rethinking the siting process: developing alternative strategies (1989 : University of Massachusetts-Boston)
Proceedings : rethinking the siting process : developing alternative strategies, January 24, 1989, University of Massachusetts-Boston. -- [Boston, Mass.] : Metropolitan Area Planning Council, 1989.
41 p. : map ; 28 cm.

1. NIMBY syndrome--Massachusetts. 2. Building sites--Massachusetts--Planning. 3. Land use--Government policy--Massachusetts.

30961911 TLBAsc

LOCAL AREA NETWORKS (COMPUTER
NETWORKS)

TK
5105.7
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1995

Inside NetWare 3.12 / Drew Heywood ... [et al.]. -- 5th ed. -- Indianapolis, Ind. : New Riders Pub., c1995.
xxx, 1213 p. : ill. ; 23 cm. + 1 computer optical laser disc (4 3/4 in.).
ISBN 1-56205-426-0

1. Local area networks (Computer networks) 2. NetWare (Computer file)

32547553 TLBAsc 95-229

LOCAL TRANSIT--SAFETY MEASURES.

TF
610
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1994

Knapton, David.
Exploring how to make system safety work in transit / [David Knapton]. -- Washington, D.C. : Federal Transit Administration, Office of Technical Assistance and Safety ; [Springfield, VA : Available through the National Technical Information Service, 1994]
64 p in various pagings ; 28 cm.

1. Local transit--Safety measures. 2. Subways--Safety measures. 3. Street-railroads--Safety measures. 4. Buses--Safety measures. 5. Railroads--Passenger traffic--Safety measures.

32484897 TLBAsc

LOCAL TRANSIT--UNITED STATES--PLANNING--CITIZEN PARTICIPATION--CONGRESSES.

HE
4451
.T72
1995

Transportation: Environmental Justice and Social Equity Conference (2nd : 1995 : Chicago, Ill.)
Transportation: Environmental Justice and Social Equity Conference proceedings / prepared by Surface Transporation Policy Project and Center for Neighborhood Technology ; prepared for Office of Policy Development, Federal Transit Administration, U.S. Department of Transportation. -- [Washington, D.C.] : Federal Transit Administration ; [Springfield, VA : Available through the National Technical Information Service, 1995]
91 p. ; 28 cm.
STRN: FTA-D C-26-6025-95-1

33084389 TLBAsc SEE NEXT CRD

LOGAN INTERNATIONAL AIRPORT (MASS.)

HE
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1987

Pathways : helping elderly and disabled people get around Logan Airport. -- [Boston, Mass. : Massport ; 1987.
117 p. : ill., maps ; 28 cm.

1. Logan International Airport (Mass.) 2. Airports--Massachusetts--Boston Metropolitan Area. 3. Physically handicapped--Transportation. 4. Architecture and the physically handicapped. 5. Access to airports--Massachusetts--Boston Metropolitan Area. 6. Airports--Access for the physically handicapped.

Rev-1 TLBAsc

MARINE POLLUTION--UNITED STATES.

GC
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1995

United States. General Accounting Office.
Coast Guard : enforcement under MARPOL V Convention on Pollution Expanded, although problems remain : report to Congressional requesters / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
29 p. : ill. ; 28 cm.
1. Marine pollution--United States. 2. Waste disposal in the ocean--United States. 3. United States. Coast Guard --Rules and practice--Evaluation.

32719806 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--BUSES--MAINTENANCE AND REPAIR.

TL
232
.M4
M52
1994

Midlife overhaul of RTS model 06 buses. -- [Boston, Mass. : Massachusetts Bay Transportation Authority, 1994]
2 v. : ill. ; 28 cm.

1. Buses--Massachusetts--Boston Metropolitan Area.. 2. Massachusetts Bay Transportation Authority--Buses--Maintenance and repair. 3. Massachusetts Bay Transportation Authority--Buses--Contracts and specifications. 4. Massachusetts Bay Transportation Authority--Buses--Design and construction.

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MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--MARKETING.

HE
4491
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1970

Schneider, Suzanne B.
The role of promotion in T marketing strategy : a review of alternative promotional policies / by Suzanne B. Schneider. -- [Boston, Mass. : Massachusetts Bay Transportation Authority, 1970.
24, [3] leaves : 28 cm.

1. Massachusetts Bay Transportation Authority--Marketing. 2. Local transit--Massachusetts--Boston Metropolitan Area--Marketing.

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MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--RIDERSHIP.

HE
4491
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STRN: CG-D-12-93

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1 v. in various pagings : ill., maps ; 28 cm.

1. New Bedford Municipal Airport. 2. Airports--Massachusetts--New Bedford--Planning. 3. Airports--Environmental aspects--Massachusetts--New Bedford.

33449936 TLBAsc

PAVEMENTS, ASPHALT CONCRETE.

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52 p. : ill., charts ; 28 cm. -- (National Cooperative Highway Research Program report, ISSN 0077-5614 ; 373)
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Production variability analysis of hot-mixed asphalt concrete containing reclaimed asphalt pavement / by Mansour Solaimanian, Thomas W. Kennedy. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
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STRN: TX-95-2918-1F
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Development of a physical property specification for asphalt-rubber binder : report / prepared by Ron Reese. -- [Sacramento, Calif.] : California Dept. of Transportation, [Division of New Technology, Materials and Research ; Springfield, VA : Available through the National Technical Information Service, 1995]
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STRN: FHWA-CA-TL/94-07

1. Pavements, Asphalt--Design and construction. 2. Asphalt-rubber. 3. Binders (Materials)

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PAVEMENTS, BITUMINOUS--ILLINOIS--DESIGN AND CONSTRUCTION.

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STRN: FHWA/IL/PR-108
1. Pavements, Bituminous--Illinois--Design and construction. 2. Pavements--Illinois--Skid resistance. 3. Pavements--Illinois--Design and construction.

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Case studies in asphalt-overlaid concrete pavement evaluation and rehabilitation / by Kathleen T. Hall, Michael I. Darter, Glen S. Petko. -- [Urbana, Ill.] : University of Illinois at Urbana-Champaign, Dept. of Civil Engineering, [1995]
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STRN: FHWA-IL-UI-248
1. Pavements, Concrete--Maintenance and repair. 2. Pavements, Asphalt concrete--Mai ntenance and repair. 3. Pavements- -Overlays.

32933664 TLBAsc

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Support under Portland cement concrete pavements / Michael I. Darter, Kathleen T. Hall, and Chen-Ming Kuo. -- Washington, D.C. : National Academy Press, 1995.
50 p. : ill. ; 28 cm. -- (National Cooperative Highway Research Program report, ISSN 0077-5614 ; 372)
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STRN: FHWA/OH-95/018

1. Pavements--Live loads--Testing. 2. Pavements--Performance. 3. Profilometer.

33434902 TLBAsc

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Effectiveness of breaking and seating of reinforced PCC pavements before overlay / by Issam Minkarah and Rajagopal Arudi. -- Cincinnati, Ohio : University of Cincinnati, [Dept. of Civil and Environmental Engineering ; Springfield, Va. : Available through the National Technical Information Service, 1995]
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STRN: FHWA/OH-95/023
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Feasibility of the use of existing analytical models and experimental data to assess current design methods for pavement geogrid-reinforced base layers / prepared by Steven W. Perkins. -- [Helena] : Montana Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1995]
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STRN: MT94-08116

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31159988 TLBAsc

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26 p. : ill., ; 28 cm.

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Presentations from the 10th Equipment Management Workshop. -- Washington, D.C. : Transportation Research Board, National Research Council, [1995]
122 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 447)

1. Road machinery--Congresses. 2. Highway departments--Equipment and supplies--Congresses.

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Summary of the NCHRP report 350 : crash test results for the Connecticut truck mounted attenuator / prepared by John F. Carney, III, Charles E. Dougan, Eric C. Lohrey. -- [Rocky Hill, CT] : Connecticut Dept. of Transportation ; Springfield, Va. : Available through the National Technical Information Service, 1995]
vi, 12, A-20 leaves : ill. ; 28 cm.
STRN: FHWA-CT-RD, 2216-1-95-2
1. Roads--Connecticut--Guard fences--Testing. 2. Roads--Connecticut--Crash cushions--Testing. 3. Roads--Connecticut--Crash cushions--Safety measures.

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Mayer, J. B. (Joseph B.)
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1. Roads--Guard fences--Testing. 2. Plastics--Recycling.

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Investigation of the impact of snow removal activities on pavement markings in Virginia / B.H. Cottrell, Jr. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
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STRN: FHWA/VA-96-R3

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Huntington, George.
Sulfate expansion in cement-treated bases / George Huntington, Khaled Ksaibati. -- [Cheyenne] : Wyoming Dept. of Transportation ; [1995]
xiv, 133 p. : ill. ; 28 cm.
STRN: FHWA/WY-95/01

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ROADSIDE PLANTS--KANSAS.

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Roadside establishment of woody plants by direct seeding / by Gregory L. Davis, David L. Hensley, Steven C. Wiest. -- [Topeka : Kansas Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 1994]
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Route 146/Massachusetts Turnpike interchange project Worcester and Millbury, Worcester County, Massachusetts : section 61 findings / U.S. Department of Transportation, Federal Highway Administration and Massachusetts Highway Department ; Massachusetts Turnpike Authority. -- [Cambridge, Mass. : Federal Highway Administration] 1995
18 leaves ; 28 cm.
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SLOPES (SOIL MECHANICS)--CALIFORNIA--SHASTA COUNTY.

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Evaluation of erosion potential of bare and vegetated cut/fill slopes of decomposed granite at Buckhorn Summit : final report / by Gokmen Tayfur, M. Levent Kavvas. -- Davis, CA : University of California, Dept. of Civil Engineering, [1995]
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1. Slopes (Soil mechanics)--California--Shasta County. 2. Roads--California--Shasta County--Embankments. 3. Soil erosion--California--Shasta County.

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vii, 78 p. : ill. ; 28 cm.
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1. Traffic flow--Mathematical models. 2. Roads--Maintenance and repair.

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TRAFFIC SAFETY--VIRGINIA

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Virginia's Wet Accident Reduction Program : a user's manual / David C. Mahone, W. Cullen Sherwood. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
17 p. ; 28 cm.

1. Traffic safety--Virginia. 2. Pavements--Virginia--Skid resistance. 3. Automobile driving in rain.

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National transportation organizations : their roles in the policy development and implementation process, 1994 edition. -- [Lansdowne, Va.] : Eno Transportation Foundation, [1994]
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1. Transportation and state--United States. 2. Transportation--United States--Planning. 3. Transportation--United States--Directories.

32950033 TLBAsc

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Transportation planning for livable communities / sponsors, Federal Highway Administration ... [et al.]. -- [S.l. : s.n., 1993?]
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Selig, E. T. (Ernest Theodore), 1933-
Long term performance of polyethylene pipe under high fill / Ernest T. Selig, Department of Civil and Environmental Engineering, University of Massachusetts ; for Pennsylvania Department of Transportation, Office of Research and Special Studies, and US DOT Federal Highway Administration. -- Harrisburg, Pa. : The Office, 1995.
iv, 33 p. : ill. ; 28 cm. -- (Geotechnical report ; no. PDT95-424F) (Research project ; no. 88-14)
1. Underground plastic pipe--Testing. 2. Soil mechanics.

32988928 TLBAsc

URBAN TRANSPORTATION--PLANNING.

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Humphrey, Thomas F.
Consideration of the 15 factors in the metropolitan planning process / Thomas F. Humphrey. -- Washington, D.C. : National Academy Press, 1995.
55 p. ; 28 cm. -- (Synthesis of highway practice ; 217)
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1. Urban transportation--Planning. 2. Urban transportation policy.

Rev-1 TLBAsc 95-60830

WIRELESS COMMUNICATION SYSTEMS.

TK
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Nemzow, Martin A. W.
Implementing wireless networks / by Martin Nemzow. -- New York : McGraw-Hill, 1995.
xii, 241 p. : ill. ; 24 cm.
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1. Wireless communication systems.

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Better Roads

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DECEMBER 1995

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A look at the results of the annual report on which products your peers found most interesting this year. At the top of the list of 20 were Witco's CRF-PM, a cold-applied crack filler; ChemMark's Black Magic asphalt anti-sticking agent; Tensar Earth Technologies' slope retaining Geogrids; and Plastic Flamecoat Systems' PH-100 pothole and roadway repair compound. This feature describes these products and 16 more that got the highest response from *Better Roads*' readers. *13*

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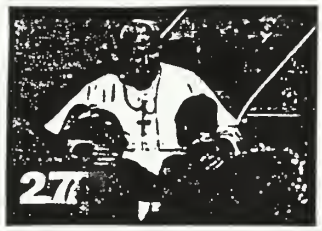

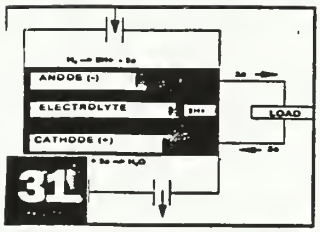

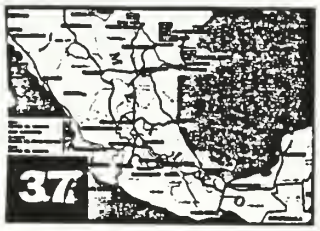

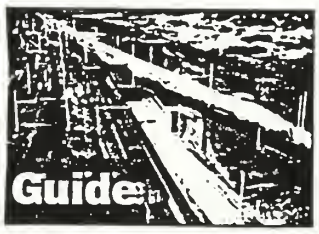

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Federal reorganization : Congressional proposal to merge Education, Labor, and EEOC : report to Congressional requesters / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
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68 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1472)
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1. Air quality management--United States. 2. Transportation--Environmental aspects--United States. 3. Air--Pollution--United States.

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1. Asphalt-rubber. 2. Pavements, Asphalt concrete--Design and construction. 3. Pavements, Asphalt concrete--Additives. 4. Tires, Rubber--Recycling.

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AUTOMOBILES--UNITED STATES--SAFETY APPLIANCES.

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Field and laboratory investigation of bridge abutment / by Robert F. Carlson, Gary Scarbrough, Jeffery Harping. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northern Engineering, University of Alaska Fairbanks, [1995]
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1. Bridges--Abutments. 2. Bridges--Foundations and piers. 3. Scour at bridges.

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Steel, concrete and wood bridges. -- Washington, D.C. : National Academy Press, 1995.
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ISBN 0-309-06114-8

1. Bridges, Concrete. 2. Bridges, Iron and steel. 3. Bridges, Wooden.

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BRIDGES, CONCRETE--DESIGN AND CONSTRUCTION--MATHEMATICAL MODELS.

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1. Bridges, Concrete--Design and construction--Mathematical models. 2. Reinforced concrete construction--Mathematical models. 3. Structural design--Mathematical models. 4. Strains and stresses--Mathematical models. 5. Concrete beams--Mathematical models.
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Goldman, Ariel.
Stay-in-place deck panels. Part 1, Freezing-and-thawing durability of concrete bridge deck overlays with corrugated steel deck forms / by Ariel Goldman, Menashi D. Cohen, Julio A. Ramirez. -- West Lafayette, Ind. : Joint Highway Research Project, Purdue University ; [Springfield, VA : Available through the National Technical Information Service, 1995]
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Arockiasamy, M.
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WYDOT bridge joint specification practice and field performance / Jude T. Kostage, Charles W. Dolan, Jay A. Puckett. -- [Laramie] : University of Wyoming, Dept. of Civil and Architectural Engineering, [1994]
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System-specific spare bus ratios / Judith T. Pierce and Elizabeth K. Moser. -- Washington, D.C. : National Academy Press, 1995.
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1. Bus lines--Management. 2. Bus lines--Reliability. 3. Bus lines--Maintenance and repair.

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BUSES--ELECTRONIC EQUIPMENT.

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Willis, Peggy.
Electronic on-board passenger information displays (visual and audible) / prepared by Peggy Willis. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1995]
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Whipple, A. B. C. (Addison Beecher Colvin), 1918-
The clipper ships / by A.B.C. Whipple and the editors of Time-Life Books. -- Alexandria, Va. : Time-Life Books, c1984.
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1. Culverts--Virginia. 2. Roads--Environmental aspects--Virginia. 3. Fishways--Virginia. 4. Fish habitat improvement--Virginia.

33275291 TLBAsc

DISABLED VEHICLES ON EXPRESS HIGHWAYS--MASSACHUSETTS--BOSTON.

HE
336
.C64
B67
1991

Boston's blueprint for incident management. -- [Boston, Mass. : Transportation Dept., 1991]
17 p. ; 28 cm.

1. Disabled vehicles on express highways--Massachusetts--Boston. 2. Traffic congestion--Massachusetts--Boston. 3. Express highways--Massachusetts--Boston.

Rev-1 TLBAsc

ELECTRONIC TRAFFIC CONTROLS--MAINTENANCE AND REPAIR.

TE
228
.S34
T72
1994

Scheck, D. E. (Donald E.)
Traffic signal controller quality assurance / prepared by D.E. Scheck, Principal Investigator. -- Athens : Ohio Automation, Inc. ; Springfield, Va. : Available to the public through the National Technical Information Service, 1994.
iii, 141 p. : ill. ; 28 cm.
STRN: FHWA/OH-94/009

1. Electronic traffic controls--Maintenance and repair.

30904945 TLBAsc

ENVIRONMENTAL ENGINEERING.

TD
145
.S72
1990

Standard handbook of environmental engineering / [edited by] Robert A. Corbitt. -- New York : McGraw-Hill, c1990.
xx, 1281 in various pagings : ill. ; 24 cm.
ISBN 0-07-013158-9

1. Environmental engineering.

19981155 TLBAsc 89-12400

FEABAS (COMPUTER FILE)

TG
320
.F42
1995

FEABAS, a user-friendly software for prediction of bridge approach settlement / submitted by Musharraf Zaman ... [et al.]. -- Norman, Okla. : University of Oklahoma, School of Civil Engineering and Environmental Science, [1995]
viii, 217 p. : ill ; 28 cm.
STRN: FHWA/OK 95 (03)
1. Settlement of structures--Data processing. 2. Bridge approaches--Maintenance and repair--Data processing. 3. Bridges--Foundations and piers--Maintenance and repair--Data processing. 4. Roads--Embankments--Maintenance and repair--Data processing. 5. FEABAS (Computer file)

32624680 TLBAsc

FREIGHT AND FREIGHTAGE--UNITED STATES.

HE
199
.U54
P82
1992

Public sector participation in local rail service projects with an economic development focus : final report / researchers T. H. Maze, Benjamin J. Allen, Clyde K. Walter ; research associate Mark E. Maggio ; research assistants Ayman G. Smadi, Karin Sevde. -- Ames, IA : Midwest Transportation Center, 1992.
110 p. ; 28 cm.

1. Freight and freightage--United States.

32353722 TLBAsc

FRINGE PARKING.

HE
131
.T687sy
no.213

Turnbull, Katherine F.
Effective use of park-and-ride facilities / Katherine F. Turnbull. -- Washington, D.C. : National Academy Press, 1995.
45 p. : ill., photo ; 28 cm. -- (Synthesis of highway practice ; 213)

1. Fringe parking. 2. Commuting.

32886128 TLBAsc 95-60675

GEOTEXTILES--PENNSYLVANIA--WASHINGTON COUNTY.

TE
211
.C62
S82
1995

Clark, Ronald J.
Subgrade stabilization using geogrids / prepared by Ronald J. Clark ; edited by John J. Hughes. -- [Harrisburg : Pennsylvania Dept. of Transportation, 1995]
80 p. in various pagings : ill. ; 28 cm. -- (Research project ; 89-54A)

1. Geotextiles--Pennsylvania--Washington County. 2. Soil stabilization--Pennsylvania--Washington County. 3. Pavements--Pennsylvania--Washington County--Subgrades.

33667273 TLBAsc

GOVERNMENT PRODUCTIVITY--MASSACHUSETTS.

REF.
JK
3141
.G68
1995

The government we choose : lean, focused, affordable : Governor Weld and Lieutenant Governor Cellucci's plan for downsizing Massachusetts government. -- [Boston, Mass. : Executive Dept.], 1995.
117 p. ; 28 cm.

1. Bureaucracy--Massachusetts. 2. Administrative agencies--Massachusetts. 3. Massachusetts. Executive Dept.--Management. 4. Privatization--Massachusetts. 5. Government productivity--Massachusetts.

33488377 TLBAsc

HIGH OCCUPANCY VEHICLE LANES--
RESEARCH.

L
587c
.441

Program of research for HOV systems. -- Washington, D.C. : Transportation Research Board, National Research Council, [1995]
34 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 441)

1. High occupancy vehicle lanes--Research. 2. Bus lanes--Research.

32576357 TLBAsc

HIGHWAY DEPARTMENTS--ALASKA--
EQUIPMENT AND SUPPLIES--PURCHASING.

3
34
8
95

Baker, Elsiha.
Equipment bid awards : initial cost versus life cycle cost / Elisha Baker, Lei Chen. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northen Engineering, University of Alaska Fairbanks, [1995]
viii, 36 p. : ill. ; 28 cm.
STRN: SPR-UAF-92-20

1. Highway departments--Alaska--Equipment and supplies--Purchasing. 2. Industrial procurement. 3. Alaska. Dept. of Transportation and Public Facilities.

33286630 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--
OHIO.

8.3
32
7
95

McCord, Mark R. (Mark Robert)
Institutional barriers to the deployment of CVO/IVHS innovations in Ohio / principal investigator: Mark R. McCord. -- Columbus, Ohio : Dept. of Civil and Environmental Engineering and Engineering Graphics, the Ohio State University ; Springfield, Va. : Available through the National Technical Information Service, 1995.
xiv, 245 p. : ill. ; 28 cm.
STRN: FHWA/OH-95/008

1. Intelligent Vehicle Highway Systems--Ohio. 2. Commercial vehicles --Ohio.

32877024 TLBAsc

INTERNET (COMPUTER NETWORK)--
TERMINOLOGY.

EF.
K
105.875
I57
33
994

Fahey, Tom.
Net.speak : the Internet dictionary / Tom Fahey, edited by Ruffin Prevost. -- Indianapolis : Hayden Books, c1994.
xii, 203 p. : ill. ; 23 cm.
ISBN 1-56830-095-6 (pbk.)

1. Internet (Computer network)--Terminology.

31067718 TLBAsc 94-75809

LAND USE, URBAN.

A-V
HD
257
.S36
C57
1993

San Diego Metropolitan Transit Development Board
Cities in the balance: creating the transit-friendly environment. -- San Diego, CA. : San Diego Metropolitan Transit Development Board, c1993.
1 videocassette (VHS) (23:45 min.) : sd., col. ; 1/2 in.

1. Land use, Urban. 2. Urban transportation.

30870271 TLBAsc

LOCAL TRANSIT--FARES.

HE
4341
.E92
1995

Evaluation of deep discount fare strategies / [Scott E. Trommer ... et al.]. -- Washington, D.C. : Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
144 p. in various pagings : ill. ; 28 cm.
STRN: FTA-MA-26-0006-95-1
1. Local transit--Fares. 2. Local transit--Ridership. 3. Local transit--Pennsylvania--Philadelphia Metropolitan Area--Fares. 4. Local transit--Colorado--Denver--Fares. 5. Local transit--Virginia--Richmond--Fares.

33213376 TLBAsc

LOCAL TRANSIT STATIONS--TEXAS--DESIGN
AND CONSTRUCTION.

HE
4491
.T4
L662
1994

Hall, Kevin M.
Design guidelines to enhance pedestrian and transit interaction / by Kevin M. Hall and Katherine F. Turnbull. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xiii, 48 p. : ill. ; 28 cm. -- (Research report ; 1975-1)

1. Local transit stations--Texas--Design and construction. 2. Local transit--Texas. 3. Local transit--Ridership--Texas.

32880286 TLBAsc

LOCAL TRANSIT--UNITED STATES--
PLANNING--CONGRESSES.

HE
131
.I687c
no.442

National Conference on High-Occupancy Vehicle Systems (7th : 1994 : Los Angeles, Calif.)
7th National Conference on High-Occupancy Vehicle Systems : HOV systems in a new light : June 5-8, 1994, the Biltmore Hotel, Los Angeles, California / editors: Katherine F. Turnbull, Sarah M. Hubbard. -- Washington, DC : Transportation Research Board, National Research Council, 1995.
116 p. : ports. ; 28 cm. -- (Transportation research circular ISSN 0097-8515 ; no. 442.)
1. Local transit--United States--Planning--Congresses. 2. High occupancy vehicle lanes--United States--Congresses. 3. Bus lanes--United States--Congresses.

32989794 TLBAsc

LOGAN INTERNATIONAL AIRPORT (MASS.)

HE
9797.6
.B7
B362
1988

Policy statement regarding the proposed amendment to the Logan Airport parking freeze. -- [Boston, Mass. : Massachusetts Port Authority, 1988]
v, 36 leaves : ill., maps, charts ; 28 cm.

1. Logan International Airport (Mass.) 2. Airport parking facilities --Massachusetts--Boston Metropolitan Area.

Rev-1 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--SAFETY MEASURES.

HE
4491
.B719
S235
1992

American Public Transit Association. Rail Safety Review Board.
Report of the American Public Transit Association Safety Review Panel for the Massachusetts Bay Transportation Authority, Boston, Massachusetts / published by the Rail Safety Review Board of the American Public Transit Association. -- Washington, D.C. : APTA, ; 1992.
10 leaves ; 28 cm.

1. Massachusetts Bay Transportation Authority--Safety measures. 2. Local transit--Massachusetts--Boston Metropolitan Area--Safety measures.

Rev-1 TLBAsc

MARRIAGE--UNITED STATES.

HQ
536
.G67
W59
1994

Gottman, John Mordechai.
Why marriages succeed or fail : what you can learn from the breakthrough research to make your marriage last / John Gottman, with Nan Silver. -- New York : Simon & Schuster, c1994.
234 p. ; 25 cm.
ISBN 0-671-86748-2

1. Marriage--United States. 2. Communication in marriage--United States.

28962710 TLBAsc 93-35891

MATERIALS--TESTING.

TA
403.6
.H82
Q82
1988

Hubele, Norma Faris 1953-
Quality assurance program for materials testing methods and procedures. Phase I / prepared for Arizona Transportation Research Center by N. Hubele and J. Zaniewski. -- Abbreviated version. -- [Tempe, Ariz. : Arizona State University, 1988]
1 v. in various pagings ; 28 cm.

1. Materials--Testing. 2. Quality control.

Rev-1 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--COMMUTER RAIL--RIDERSHIP.

HE
2781
.B719
R635
1977

Commuter rail survey. volume 1 : documentation report / prepared for the Massachusetts Bay Transportation Authority by Alan M. Voorhees & Associates, Inc. -- Boston, Mass. : Massachusetts Bay Transportation Authority, 1977.
1 v. in various pagings ; 28 cm.
1. Local transit--Massachusetts--Boston Metropolitan Area--Statistics. 2. Local transit--Massachusetts--Boston Metropolitan Area--Ridership. 3. Massachusetts Bay Transportation Authority--Commuter rail--Ridership. 4. Massachusetts Bay Transportation Authority--Co mmuter rail--Statistics.

Rev-1 TLBAsc

NANTUCKET MEMORIAL AIRPORT.

HE
9797.6
.N21
N35
1995

Nantucket Memorial Airport : 5 year plan of improvements / submitted by Massachusetts Aeronautics Commission; Nantucket Airport Commission ; prepared by Edwards and Kelcey, Inc. -- [Boston, Mass.] : Edwards and Kelcey, Inc., 1995.
1 v. in various pagings : ill., maps, plans ; 28 cm.

1. Nantucket Memorial Airport. 2. Airports--Massachusetts--Planning.

32991822 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--NORTH STATION--RELOCATION.

HE
4491
.B72
S868
1982

North Station urban renewal project : draft environmental impact report/ environmental impact statement / Boston Redevelopment Authority. -- Boston, Mass. : Boston Redevelopment Authority, 1982
1 v. in various paagings : ill., maps ; 28 cm.
1. Urban renewal--Massachusetts--Boston. 2. North Station Area (Boston, Mass.)--Buildings, structures, etc. 3. Massachusetts Bay Transportation Authority--North Station--Relocation. 4. Massachusetts Bay Transportation Authority--Green Line--Relocation.

Rev-1 TLBAsc

NORUMBEGA RESERVOIR (MASS.)

TD
395
.N67
1995

Norumbega Reservoir project : draft environmental impact report / Camp Dresser & McKee. -- Boston, Mass. : Massachusetts Water Resources Authority, 1995.
2 v. : ill., maps ; 28 cm.

1. Norumbega Reservoir (Mass.) 2. Reservoirs--Massachusetts.

Rev-1 TLBAsc

PAVEMENTS, ASPHALT CONCRETE--
ADDITIVES.

TE
25
.17
3
E83

Estakhri, Cindy K.
Laboratory evaluation of crumb-rubber modified (CRM) binders and mixtures / by Cindy K. Estakhri, Sekhar Bebala and Dallas N. Little. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1993]
xxvii, 243 p. : ill. ; 28 cm. -- (Research report ; 1332-1)
STRN: FHWA/TX-93/1332-1
1. Asphalt-rubber. 2. Pavements, Asphalt concrete--Additives. 3. Binders (Materials)--Evaluation. 4. Tires, Rubber --Recycling.

31603347 TLBAsc

PAVEMENTS, ASPHALT CONCRETE--
MAINTENANCE AND REPAIR.

TE
27
.A8
A3
194

Alvarez, Claribel.
Aging phenomenon in asphalt concrete pavements : a literature review / prepared by Claribel Alvarez and Marshall R. Thompson. -- Urbana, Ill. : University of Illinois, Dept. of Civil Engineering ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
ii, 36 p. : ill. ; 28 cm.

1. Pavements, Asphalt concrete--Maintenance and repair. 2. Runways (Aeronautics)--Maintenance and repair.

33084383 TLBAsc

PAVEMENTS, ASPHALT--MAINTENANCE AND
REPAIR.

TE
27
.S2
P72
195

Shatnawi, Shakir R.
Premature AC pavement distress : District 2 investigation : final report / prepared by Shakir R. Shatnawi. -- [Sacramento, Calif.] : California Dept. of Transportation, Division of New Technology, Materials and Research ; [Springfield, VA : Available through the National Technical Information Service, 1995]
vii, 78 p. ; 28 cm.
STRN: FHWA-CA-TL/92-07

1. Pavements, Asphalt--Maintenance and repair. 2. Pavements--Overlays. 3. Asphalt concrete--Moisture.

33403055 TLBAsc

PAVEMENTS, CONCRETE--ADDITIVES.

TE
27
.O
E3
19

Ozyildirim, H. Celik (Hamdi Celik)
Effects of blends of cement kiln dust and fly ash on properties of concrete / Celik Ozyildirim, D. Stephen Lane. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
ii, 24 p. ; 28 cm. -- (VTRC ; 96-R1)

1. Pavements, Concrete--Additives. 2. Fly ash. 3. Waste products as road materials.

33252726 TLBAsc

PAVEMENTS, CONCRETE--MAINTENANCE AND
REPAIR.

TE
220.3
.H34
G85
1995

Hall, Kathleen T.
Guidelines for rehabilitation of asphalt-overlaid concrete pavement / by Kathleen T. Hall, Michael I. Darter, [and] Samuel H. Carpenter. -- [Urbana, Ill.] : University of Illinois at Urbana-Champaign, Dept. of Civil Engineering, [1995]
iv, 96 p. : ill. ; 28 cm. -- (Civil engineering studies. Transportation engineering series, ISSN 0197-9191 ; no. 80) (Illinois Cooperative Highway Research Program series ; no. 247)
1. Pavements, Concrete--Maintenance and repair. 2. Pavements, Asphalt concrete--Maintenance and repair. 3. Pavements--Ov erlays--Maintenance and repair.

33069296 TLBAsc

PAVEMENTS, CONCRETE--TEXAS--ANGUS--
MAINTENANCE AND REPAIR.

TE
278
.W54
R46
1995

Whitney, David P.
Repair of fire-damaged concrete pavement on IH-45 near Angus, Texas / by David P. Whitney, David W. Fowler. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xi, 49 p. : ill. ; 28 cm. -- (Research report ; 1948-1F)
STRN: TX-95-1948-1F
1. Pavements, Concrete--Texas--Angus --Maintenance and repair. 2. Pavements--Texas--Angus--Maintenance and repair.

33077003 TLBAsc

PAVEMENTS--MAINTENANCE AND REPAIR--
COSTS.

TE
220
.M45
E87
1988

Memmott, Jeffery L. (Jeffery Lynn)
Estimating user costs of asphalt and concrete pavement rehabilitation / by Jeffery L. Memmott and William McFarland. -- Riverdale, Md. : National Asphalt Pavement Association, 1988.
1 v. in various pagings ; 28 cm.

1. Pavements--Maintenance and repair --Costs. 2. Pavements, Reinforced concrete.

33284420 TLBAsc

PAVEMENTS--PERFORMANCE.

HE
131
.T687r
no.1473

Strength and deformation characteristics of pavement sections and pavement rehabilitation. -- Washington, D.C. : National Academy Press, 1995.
v, 150 p. : ill. ; 28 cm. -- (Transportation research record ; 1473)
ISBN 0-309-06112-1

1. Pavements--Performance. 2. Pavements--Design and construction.

PAVEMENTS--TESTING.

TE
250
.R52
E77
1994

Ribbens, William B.
Error analysis for a proposed moving dynamic deflection system for highway pavements / W.B. Ribbens. -- [Ann Arbor, MI : University of Michigan, Vehicular Electronics Laboratory ; Springfield, Va. : Available to the public through the National Technical Information Service, 1994?]
109 p. : ill. ; 28 cm.
STRN: FHWA/CH-95/004

1. Pavements--Testing. 2. Pavements --Performance--Testing. 3. Pavements--Mathematical models.

33434325 TLBAsc

PEDESTRIAN FACILITIES DESIGN--VIRGINIA.

TE
279.5
.E924
1995

An Evaluation of detectable warning surfaces for sidewalk curb ramps / Amy A. O'Leary ... [et al.]. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
v, 63 p. : ill., forms ; 28 cm. -- (VTRC ; 95-R31)
STRN: FHWA/VA-95-R31

1. Pedestrian facilities design--Virginia. 2. Sidewalks--Virginia--Design and construction. 3. Transportation markings. 4. Blind--Travel.

33157196 TLBAsc

PHYSICALLY HANDICAPPED--UNITED STATES--TRANSPORTATION.

HV
3023
.A3
B64
1993

Bolding, Nancy L.
Serving passengers with cognitive disabilities : a training program for fixed route bus operators / Nancy L. Bolding. -- Arlington, TX : The ARC, c1993.
ii, 143 leaves : ill. 28 cm.

1. Buses--Access for the physically handicapped. 2. Physically handicapped--United States--Transportation. 3. Mentally handicapped--United States--Transportation.

33073203 TLBAsc

RAILROADS--ARIZONA.

HE
2771
.A6
G34
1992

Gale, John J.
Arizona rail : a regional passenger rail system for Arizona / prepared for the Arizona Rail Passenger Association by John J. Gale. -- [Phoenix, Az.] : Arizona Rail Passenger Association, 1992.
iv, 26 p. : ill., maps ; 28 cm.

1. Railroads--Arizona. 2. Railroads --Design and construction--Costs. 3. Railroads--Passenger traffic.

RAILROADS--UNITED STATES--CARS--PURCHASING

TF
455
.C66
1994

Conducting pre-award and post-delivery audits for rail vehicle procurements / prepared by Booz Allen & Hamilton, Inc. -- Washington, D.C. : Federal Transit Administration, U.S. Dept. of Transportation : Distributed in cooperation with Technology Sharing Program, [1994]
1 v. (various pagings) ; 22 cm.
STRN: FTA DC-90-7713-94-1

1. Railroads--United States--Cars--Purchasing

30577383 TLBAsc

RIDESHARING--WASHINGTON (STATE)--BELLEVUE--COMMUNICATION SYSTEMS.

HE
5620
.R53
B44
1995

Bellevue Smart Traveler : design, demonstration and assessment / by Mark Haselkorn ... [et al.]. -- [Olympia, Wash.] : Washington State Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1995]
256 p. in various pagings : charts ; 28 cm.
STRN: WA-RD 376.1

1. Ridesharing--Washington (State)--Bellevue--Communication systems. 2. High occupancy vehicle lanes--Washington (State)--Bellevue.

33275328 TLBAsc

ROAD DRAINAGE--TEXAS.

TE
215
.G62
T452
1994

Godfrey, S. H.
Temporary erosion control selection : TAMUBMP computer program / by Sally H. Godfrey, Jana P. Long, and Jason Rosson. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xi, 11 p. : 1 ill. ; 28 cm. -- (Research report ; 1379-2F)
1. Road drainage--Texas. 2. Soil conservation--Texas. 3. Erosion--Texas. 4. Sediment control--Texas. 5. Roads--Design and construction--Environmental aspects--Texas. 6. Sedimentation and deposition--Texas. 7. Soil erosion--Texas. 8. TAMUBMP.

32875423 TLBAsc

ROAD MARKINGS--NORTH CAROLINA--TESTING.

TE
203
.F69
I57
1995

Foyle, Robert S.
In-service testing of premixed and plain traffic paints / prepared by Robert S. Foyle and Robert W. Attaway. -- Raleigh, NC : Institute for Transportation Research and Education, North Carolina State University, [1995]
[195] p. in various pagings : ill. ; 28 cm.
STRN: FHWA/NC/95-003

1. Road markings--North Carolina--Testing. 2. Paint--Testing.

33353112 TLBAsc

ROADS--CRASH CUSHIONS--TESTING.

28.2
69
58
95

Snyder, Richard R.
In-service evaluation of the BRAKE-MASTER and C-A-T crash cushions / prepared by Richard R. Snyder. -- [Harrisburg] : Pennsylvania Dept. of Transportation, Bureau of Construction and Materials ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
141 p. in various pagings : ill., maps ; 28 cm.
STRN: FHWA-PA-94-001+90-58

1. Roads--Crash cushions--Testing. 2. Roads--Guard fences--Testing. 3. Roads--Safety measures.

33226607 TLBAsc

ROADS--INTERCHANGES AND INTERSECTIONS--DESIGN AND CONSTRUCTION--SOFTWARE.

76
57
94

Interactive graphics intersection design user's manual / Thomas W. Rioux ... [et al.]. -- Austin, Tex. : Center for Transportation Research, Bureau of Engineering Research, the University of Texas at Austin ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
xii, 237 p. : ill. ; 28 cm. -- (Research report ; 1308-1F)
STRN: FHWA/TX-95-1308-1F

32933509 TLBAsc SEE NEXT CRD

ROADS--SPECIFICATIONS.

91
687sy
.212

Chamberlin, William P.
Performance-related specifications for highway construction and rehabilitation / William P. Chamberlin. -- Washington, D.C. : National Academy Press, 1995.
48 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 212)
ISBN 0-309-05673-X

1. Roads--Specifications.

33317426 TLBAsc 95-60498

ROADSIDE IMPROVEMENT--ALASKA.

E
78
J63
36
395

Johnson, Lawrence A.
Managing roadside vegetation in Alaska / by Lawrence A. Johnson. -- [Juneau] : Alaska Dept. of Transportation and Public Facilities, [1995]
v, 19 p. ; 28 cm.

1. Roadside improvement--Alaska. 2. Roadside plants--Alaska.

33184533 TLBAsc

ROADSIDE PLANTS--TEXAS.

TE
178
.M49
M36
1995

Meyer, Robert E.
Management of vegetation on the pavement edge and adjacent shoulder / by Robert E. Meyer, Cynthia L. Benner and Wayne G. McCully. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
xiii, 28 p. : ill. ; 28 cm. -- (Research report ; 902-12)
STRN: TX-95/902-12

1. Roadside plants--Texas. 2. Roads--Texas--Shoulders. 3. Herbicides--Texas.

33035161 TLBAsc

SCOUR AT BRIDGES--MATHEMATICAL MODELS.

TG
320
.N62
H92
1994

Nocito-Gobel, Jean.
Hydraulic modeling of tidal estuary bridge crossings : final report / Jean Nocito-Gobel, John E. Tobiason. -- Amherst, Mass. : University of Massachusetts Transportation Center, 1994.
1 v. in various pagings : ill., charts ; 28 cm.

1. Scour at bridges--Mathematical models. 2. Tidal currents. 3. Bridges--Foundations and piers.

33348798 TLBAsc

SNOW PLOWS--VIRGINIA--EVALUATION.

TE
220.5
.R66
E92
1995

Roosevelt, Daniel S.
Evaluation of urethane snow plow blades as an alternative to rubber blades / D.S. Roosevelt. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
iii, 24 p. ; 28 cm. -- (VTRC ; 96-R2)
STRN: FHWA/VA-96-R2

1. Snow plows--Virginia--Evaluation. 2. Road machinery--Virginia--Evaluation. 3. Roads--Virginia--Snow and ice control. 4. Urethane.

33037295 TLBAsc

TRAFFIC CONGESTION--WASHINGTON (STATE)--SEATTLE METROPOLITAN AREA.

HE
336
.C64
N53
1995

Nihan, Nancy L.
Freeway congestion prediction / by Nancy L. Nihan. -- [Olympia, Wash.] : Washington State Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1995]
86 p. in various pagings : charts ; 28 cm.
STRN: WA-RD 381.1
1. Traffic congestion--Washington (State)--Seattle Metropolitan Area. 2. Traffic flow--Washington (State)--Seattle Metropolitan Area. 3. Traffic estimation--Washington (State)--Seattle Metropolitan Area.

33288041 TLBAsc

TRAFFIC NOISE--COLORADO--FORECASTING.

TD
893.6
.T7
C63
1995

Cohn, Louis F.
Reference energy mean emission levels used in STAMINA 2.0 for highway noise prediction in the State of Colorado / [Louis F. Cohn]. -- [Denver, Colo. : Colorado Dept. of Transportation ; Springfield, Va. : Available through the National Technical Information Service, 1995]
16, 3 leaves ; 28 cm.
STRN: CDOT-R-TG-95-6

1. Traffic noise--Colorado--Forecasting. 2. Noise control--Colorado. 3. STAMINA 2.0 (Computer file)

33385467 TLBAsc

UNITED STATES. DEPT. OF DEFENSE--INVENTORY CONTROL--EVALUATION.

UC
263
.A41555
1995

United States. General Accounting Office.
Defense inventory : opportunities to reduce warehouse space / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
40 p. : ill., map ; 28 cm.

1. United States. Dept. of Defense--Inventory control--Evaluation.

32828732 TLBAsc

TRAFFIC SIGNS AND SIGNALS--TEXAS--EVALUATION.

TE
228
.H38
M67
1995

Hawkins, H. Gene.
Motorist understanding of traffic control devices : study results and recommendations / by H. Gene Hawkins, Jr., Katie N. Womack, and John M. Mounce. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1995]
1 v. (various pagings) : ill. ; 28 cm. -- (Research report ; 1261-4)

1. Traffic signs and signals--Texas--Evaluation. 2. Automobile drivers--Texas--Psychology. 3. Road markings--Evaluation.

32866554 TLBAsc

WATERSHED MANAGEMENT--ALASKA.

TE
215
.C37
D47
1995

Carlson, Robert F.
Determination of snow melt flood peaks for highway drainage design / by Robert F. Carlson. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northen Engineering, University of Alaska Fairbanks, [1995]
vi, 66 p. : ill. ; 28 cm.
STRN: SPR-UAF-92-2

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32436882 TLBAsc 95-67672

Better Roads™

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The Voice of Community Transit

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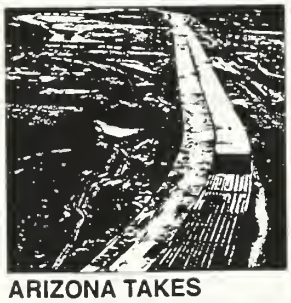

ARIZONA TAKES THE HIGH ROAD

Arizona's Dept. of Transportation used to beat up on its contractors as a rule. Now, under Director Larry Bonine's tutelage, it's a road of a different color. **Page 26**

Cover photo by Robert Johnson for Arizona Dept. of Transportation

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SLOWER GROWTH

After two years of 8% growth, the recovery is past its peak. However, construction will avoid any sharp downturn and even manage modest 2% growth this year. **Page 35**

Cover: Mark Kaplan for ENR

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Firing up craft training

GIS WORLD
VOL. 9 NO. 2 The World's Leading Geographic Information Systems Publication FEBRUARY 1996

COVER HIGHLIGHT

A bustling marketplace in Kathmandu, Nepal, typifies the area's skyrocketing urbanization. The city's attractive economic opportunities are drawing record numbers of people from throughout Nepal and its neighboring countries. Accompanying that unchecked growth are a host of problems, including the loss of prime agricultural land in the Kathmandu Valley—for the first time in Nepal, there is concern over how the country will feed its population. To help Nepalese planners form strategies for sustainable growth, researchers at George Mason University, aided by several Nepalese organizations, built the Kathmandu Valley GIS. See page 54 for details.

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58 **RADARSAT Guarantees Timely Image Acquisition for GIS Applications**
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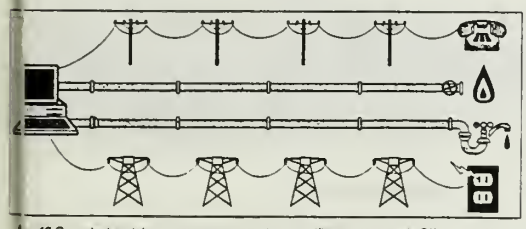
64 **Midnite Madness—Reconciling Site Data from Multiple and Tangled Coordinate Systems**
By Douglas C. Peters and Fred E. Kirschner



Page 46 Gas, electric, telecommunications and water utilities—once early GIS innovators—now are mature users of such systems.

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GIS WORLD
VOL. 9 NO. 1 The World's Leading Geographic Information Systems Publication JANUARY 1996

COVER HIGHLIGHT

From GIS-specific mailing lists to World Wide Web home pages, on-line GIS enthusiasts are exploring a world of map data and information resources. Beginning on page 42, *GIS WORLD* presents a special section to help readers maximize their time on the Internet.

Ray Walter Photography

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GIS On Line

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60 **NRCS Revises Its GIS Strategy**
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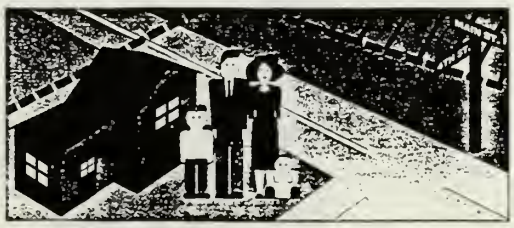
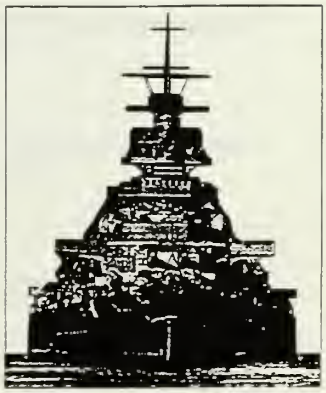


Page 60 The U.S. Natural Resources Conservation Service is positioning GIS as a mainstream information technology.



Page 64 Applying GIS to naval history offers a new perspective on the Bismarck, Germany's legendary World War II battleship.

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31 *Railway Age* Railroader of the Year award
For the first time in the history of this award, the Railroader of the Year goes to two individuals: Robert D. Krebs, and Gerald Grinstein.

37 Coal car options multiply
Builders are offering a wealth of weight-reducing designs. Aluminum is the current material of choice. High-strength composites could be next.

43 Transit rides out a tempest
Predictions of an assault on funding were on target, but the big guns of the budget-balancers were not. So rail transit rolls into '96 in strong condition.

51 Fault detection: HBD/HWD systems get smarter
New technologies are making hot bearing/hot wheel detectors more accurate. The next breakthrough could come in the area of onboard fault detection.

19 Rail Update
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26 Transit Update
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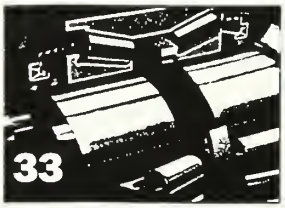

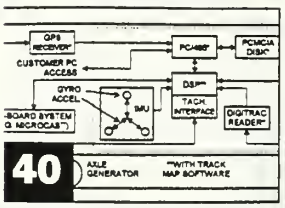

27 What next for intermodal?
After a year of "whatever could go wrong went wrong," TTX is cautiously forecasting 3.5% growth in '96. Question: How long can truckers keep cutting rates?

33 Freight car components: The innovators
From bearings to brake systems, couplers to cushioning devices, the high-tech freight car continues to take shape as suppliers respond to customer demands.

41 Do you know where *your* train is?
There's more than one way to locate a train, and there's no shortage of available technology. The driving question: How much accuracy is desired?

44 How short lines grade safety inspectors
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24 Transit Update
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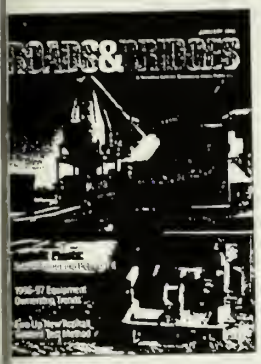
Equipment, Materials and Technology for the Transportation Construction Industry

VOL. 34/NO.1 JANUARY 1996



n this issue

n January you'll find our exclusive 1996-'7 Equipment Ownership Trends survey. Also included is an in-depth look at asphalt plants and the regulations that guide their design and operation, as well as an extensive overview of the state-of-the-art for asphalt ignition burn-off ovens.

Cover: An Astec Six Pack asphalt plant n operation near Yeehaw Junction, Fla. The plant belongs to Martin Paving, South Daytona, Fla. Photo by Larry Flynn.

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14 Skid-steers: The '90s market
While the U.S. market nears full maturity, more and more domestic suppliers have increased their attention on foreign markets

18 Clinton signs off on NHS bill; metrication set back five years
Passage of the National Highway System allows states to raise speed limits; funding for the crumb rubber demonstration programs eliminated

26 HMA plant design: Searching for the perfect mix
Today's asphalt plants adapt established technologies to meet increasingly stringent governmental regulations and to make work more cost-effective

38 Testing asphalt with ignition burn-off ovens
Fueled by changes in the law, the ignition method is gaining popularity as an alternative test for asphalt content

50 1996-97 Equipment Ownership Trends Survey
Increased investment in mobile equipment expected to be consistent through 1997, contractors and road agency readers say

ROADS&BRIDGES

Dedicated to the Construction, Rebuilding and Maintenance of the Nation's Dynamic Transportation Infrastructure

VOL. 34/NO.2 FEBRUARY 1996

In this issue

Our February issue provides the latest methods for constructing highway drainage systems and looks at the performance of Superpave on America's roads. The U.S. Army's longest pontoon bridge since WWII is also featured, in addition to the winners of the NRVMA awards. Finally, we offer a preview of NAPA's 41st annual convention.

Cover: Test Superpave project in northeast Maryland has successfully rehabilitated a heavily trafficed intersection prone to rutting and cracking.

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28 How 'Super' is Superpave?
SHRP's Superpave is moving off test tracks and into the roads of Main Street USA. Here's a look at its performance there

34 Highway drainage systems
While most road designs account for proper drainage, how to relieve pavements of free water is still debated

46 Vegetation programs promote beauty, safety and keep cost down
Recent winners of the NRVMA national awards provide how-to models for those who desire similar results

54 Army's 'ribbon' bridge supports peacekeeping mission in Bosnia
Longer than the Brooklyn Bridge, a modern, compact pontoon bridge is used to span the Sava River

57 Paving the way to new horizons
The National Asphalt Pavement Association's 41st annual convention convenes in San Antonio to discuss the changes facing the industry

$5.00
Week of February 12, 1996

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TRAFFIC WORLD

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5.
6.

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TG
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.M67
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RE
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AIR QUALITY--UNITED STATES--
BIBLIOGRAPHY.

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Z
5862.2
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1995

Stephenson, Amy.
An annotated bibliography of transportation-related air quality documents, 1989-1994 / by Amy R. Stephenson and Gayle L. Heath. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1995]
xv, 185 p. ; 28 cm. -- (Research report ; 1279-8)

15 AUG 95 32872355 TLBAsc SEE NEXT CRD

AIR TRAFFIC CONTROL--UNITED STATES.

IL
725.3
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M432
1995

Mead, Kenneth M.
Air traffic control : issues presented by proposal to create a government corporation : statement of Kenneth M. Mead, Director, Transportation Issues, Resources, Community, and Economic Development Division, before the Subcommittee on Aviation, Committee on Transportation and Infrastructure, U.S. House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
17, [2] p. : ill. ; 28 cm. -- (Testimony ; GAO/T-RCED-95-114)

04 AUG 95 32291281 TLBAsc SEE NEXT CRD

ALKALI-AGGREGATE REACTIONS.

TG
335
.H67
E92
1995

Hossain, Mustaque.
An evaluation of the SHRP alkali-silica reactivity (ASR) test : final report / by Mustaque Hossain, Muhammad H. Zubery. -- [Topeka : Kansas Dept. of Transportation, 1995]
vii, 31, 5 p. : ill. ; 28 cm.
STRN: KSU-EES-270

1. Alkali-aggregate reactions. 2. Concrete beams. 3. Silica. 4. Aggregates (Building materials)

03 NOV 95 33382153 TLBAsc

AMTRAK--FINANCE.

HE
2791
.A3
H54
1995

Hill, Barry T.
Amtrak : issues for reauthorization : statement for the record by Barry T. Hill, Associate Director, Transportation Issues, Resources, Community, and Economic Development Division, before the Subcommittee on Railroads, Committee on Transportation and Infrastructure, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
15, [2] p. ; 28 cm. -- (Testimony ; GAO/T-RCED-95-132)
1. Amtrak-- Finance. 2. Federal aid to transp ortation--United States.

01 AUG 95 32361487 TLBAsc

AQUEDUCTS--MASSACHUSETTS.

TD
398
.S925
1994

Metrowest water supply tunnel : project modifications, resolution of issues at the Shaft L Site, public participation plan, notice of project change: disposal of excavated materials, responsiveness summary / prepared by Sverdrup ... [et al.]. -- [Boston, Mass] : Sverdrup Corporation, 1994
1 v. in various pagings : plans ; 28 cm.

1. Aqueducts--Massachusetts.

28 JUN 95 32720021 TLBAsc

ASPHALT-RUBBER.

TE
270
.H67
U83
1995

Hossain, Mustaque.
Use of recycled chunk rubber asphalt concrete (CRAC) on low volume roads and use of recycled crumb rubber modifier in asphalt pavements : final report / Mustaque Hossain, Louis P. Funk, Mustafa A. Sadeq. -- [Topeka : Kansas Dept. of Transportation, 1995]
ix, 92 p. : chart ; 28 cm.
STRN: K-TRAN: KSU-94-6

1. Asphalt-rubber. 2. Pavements, Asphalt--Additives. 3. Pavements, Asphalt concrete--Additives. 4. Low-volume roads--Maintenance and repair. 5. Tires, Rubber--Recycling.

03 NOV 95 33389555 TLBAsc

BOSTON HARBOR (MASS.)

HE
554
.B7
B73
1988

Breitenreicher, Denise.
Cumulative impacts of fill in Boston Harbor / prepared by Denise Breitenreicher ; for Save Our Shores. -- [N. Quincy, Mass. : Save Our Shores, 1988]
59 leaves, A-2, B-2 : maps ; 28 cm.

1. Boston Harbor (Mass.) 2. Coastal zone management--Massachusetts--Boston Metropolitan Area. 3. Water--Pollution--Massachusetts--Boston Metropolitan Area. 4. Coastal ecology --Massachusetts--Boston. 5. Harbors--Massachusetts--Boston.

Rev-1 10-6-95 TLBAsc

BRIDGES, ARCHED--TEXAS--HOUSTON--
DESIGN AND CONSTRUCTION.

TG
327
.E43
1994

Effects of traffic and wind loads on a tied-arch bridge / by Partha P. Sarkar ... [et al.]. -- Lubbock, Tex. : Dept. of Civil Engineering, Texas Tech University ; [Springfield, VA : Available through the National Technical Information Service, 1994]
xiv, 96 p. : ill. ; 28 cm.
STRN: 7-1982-2

1. Bridges, Arched--Texas--Houston--Design and construction. 2. Bridges--Texas--Houston--Live loads. 3. Bridges--Texas--Houston--Aerodynamics. 4. Wind tunnels.

28 AUG 95 32989827 TLBAsc

BRIDGES, CONCRETE--CRACKING.

TG
325.6
.S35
C72
1995

Schmitt, Tony R.
Cracking in concrete bridge decks / by Tony R. Schmitt, David Darwin. -- [Topeka : Kansas Dept. of Transportation, 1995]
xiii, 151 p. : ill. ; 28 cm.
STRN: K-TRAN: KU-94-1

1. Bridges, Concrete--Cracking. 2. Bridges, Concrete--Floors.

03 NOV 95 33382177 TLBAsc

BRIDGES, CONCRETE--FLOORS--CORROSION.

TG
325
.H37
B43
1995

Hasan, Hendy O.
Behavior of concrete bridge decks and slabs reinforced with epoxy coated steel / Hendy O. Hasan and Julio A. Ramirez. -- West Lafayette, Ind. : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
xv, 251 p. : ill. ; 28 cm.
STRN: FHWA/INDOT/JHRP-94/9
1. Bridges, Concrete--Floors--Corrosion. 2. Bridges, Concrete--Floors--Maintenance and repair. 3. Epoxy compounds. 4. Reinforced concrete construction.

08 NOV 95 33437470 TLBAsc

BRIDGES, CONCRETE--PENNSYLVANIA--EVALUATION.

TG
335
.H83
C66
1995

Hughes, John J.
CON/SPAN precast bridge system / prepared by John J. Hughes. -- [Harrisburg, Pa.] : Pennsylvania Dept. of Transportation, Bureau of Construction and Materials, [1995]
vi, 81 p. : ill. ; 28 cm.
STRN: FHWA-PA-94-006+80-65

1. Bridges, Concrete--Pennsylvania--Evaluation. 2. Bridges, Prefabricated--Evaluation. 3. Precast concrete construction--Pennsylvania--Evaluation.

30 OCT 95 33225955 TLBAsc

BRIDGES--FLOORS--TESTING.

TG
325.6
.S72
1995

Stay-in-place deck forms : horizontal shear strength of bridge deck panels. Part 2 / by Phani Kumar V.V. Nukala ... [et al.]. -- West Lafayette, IN : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
xviii, 226 p. : ill. ; 28 cm.
STRN: FHWA/IN/JHRP-94/11

1. Bridges--Floors--Testing. 2. Precast concrete construction. 3. Prestressed concrete construction.

04 OCT 95 33203645 TLBAsc

BRIDGES, IRON AND STEEL--ALASKA--TESTING.

TG
260
.Y94
1995

Yukon River Bridge, deck strains and surfacing alternatives / by J. Leroy Hulsey ... [et al.]. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northern Engineering, University of Alaska Fairbanks, [1995]
x, 123 p. : ill. (some col.) ; 28 cm.
STRN: SPR-UAF-92-6

1. Bridges, Iron and steel--Alaska--Testing. 2. Bridges--Alaska--Live loads--Testing. 3. Bridges--Alaska--Floors--Maintenance and repair. 4. Metals--Thermal fatigue.

03 NOV 95 33385461 TLBAsc

BRIDGES--KANSAS--DRAINAGE SYSTEMS.

TG
325.6
.M33
H92
1995

McEnroe, Bruce M.
Hydraulic characteristics of KDOT flume inlets / by Bruce M. McEnroe, C. Bryan Young, Geoffrey P. Athey. -- [Topeka : Kansas Dept. of Transportation, 1995]
v, 59 p. : ill. ; 28 cm.
STRN: K-TRAN: KU 95-1

1. Bridges--Kansas--Drainage systems. 2. Bridges--Kansas--Floors. 3. Road drainage--Kansas.

03 NOV 95 33389473 TLBAsc

BRIDGES--MASSACHUSETTS.

TG
24
.M4
V47
1995

Vertical clearance assessment for bridges over railroads / submitted by Greiner, Inc. -- [Boston, Mass. : Massachusetts Highway Dept., 1995]
8 v. : ill., maps, photos ; 28 cm.

1. Bridges--Massachusetts. 2. Underpasses--Massachusetts--Clearances. 3. Railroads--Massachusetts--Clearances. 4. Massachusetts Bay Transportation Authority--Commuter rail--Bridges. 5. Conrail.

Rev-1 9-15-95 TLBAsc

BRIDGES--PENNSYLVANIA--PHILADELPHIA--ABUTMENTS.

TG
325
.R63
S77
1995

Rogers, Anthony.
Structural backfill using lightweight aggregate / prepared by Anthony Rogers. -- [Harrisburg, Penn.] : Pennsylvania Dept. of Transportation, [Office of Research & Special Studies, 1995]
82 p. in various pagings : ill. ; 28 cm.
STRN: FHWA-PA-94-011+91-60

1. Bridges--Pennsylvania--Philadelphia--Abutments. 2. Roads--Pennsylvania--Philadelphia--Embankments. 3. Aggregates (Building materials)--Testing.

23 OCT 95 33326515 TLBAsc

BRIDGES--UNITED STATES--MAINTENANCE AND REPAIR.

TG
315
.S24
F53
1993

Saleeb, Atef F. (Atef Fathy), 1952-

Field demonstration of non-destructive bridge evaluation using quantitative thermographic stress analysis / Atef Saleeb, Patrick Zuraski, Bradley Boyce. -- Akron, OH : Dept. of Civil Engineering, University of Akron ; Springfield, Va. : Available through the National Technical Information Service, [1993]
iii, 68 p. : ill. (some col.) ; 28 cm.
STRN: FHWA/OH-93/015
1. Bridges--United States--Maintenance and repair. 2. Bridges--United States --Evaluation. 3. Non-destructive t esting. 4. Bridges--Live loads.

21 JUL 95 29552787 TLBAsc

BUILDING--ESTIMATES--PERIODICALS.

REF.
TH
435
.M42
M42

Means mechanical cost data. -- 7th ed.
(1984)- . -- Kingston, MA : R.S. Means Co., c1983-
v. : ill. ; 28 cm.
Annual.
LATEST 2 YEARS
Continues in part: Robert Snow Means Company. Mechancial & electrical cost data.
Continued in part by: Means plumbing cost data.
ISSN 0748-2698 = Means mechanical cost data
1. Building--Estimates--Periodicals. 2. Buildings--Mechanical equipment--Costs--Periodicals. 3. Buildings--Electric equi pment--Costs--Periodicals.

29 NOV 95 10501552 TLBAsc 84-645379r89

BUS LINES--UNITED STATES--EVALUATION.

HE
5623
.H37
C65
1995

Hartgen, David T.
Comparative performance of major U.S. bus transit systems / by David T. Hartgen ... [et al.]. -- Raleigh, N.C. : University of North Carolina, Center for interdisciplinary Transportation Studies, [1995]
2 v. : maps, charts ; 28 cm.

1. Bus lines--United States--Evaluation. 2. Bus lines--United States--Statistics. 3. Local transit--United States--Evaluation.

Rev-1 11-20-95 TLBAsc

CENTRAL ARTERY (BOSTON, MASS.)

HE
379
.B71
T555
1991

Nalchajian, Lisa A.
Boston's most controversial transportation issue : the Central Artery/Third Harbor Tunnel project / Lisa A. Nalchajian. -- [1991]
89 leaves : ill., maps ; 28 cm.

1. Central Artery (Boston, Mass.) 2. Third Harbor Tunnel (Boston, Mass.) 3. Tunnels--Massachusetts--Boston. 4. Road construction--Massachusetts--Boston.

Rev-2 11-13-95 TLBAsc

CHARLES RIVER (MASS.)--BRIDGES--DESIGN AND CONSTRUCTION.

HE
379
.B71
T566
1994

Record of decision : Central Artery (I-93)/Tunnel (I-90) Charles River Crossing / Federal Highway Administration. -- [Boston, Mass. : Federal Highway Administration, 1994]
23 leaves ; 28 cm.
STRN: FHWA-MA-EIS-82-02-FS3
1. Central Artery/Third Harbor Tunnel Project (Mass.) 2. Environmental impact analysis--Massachusetts--Boston Metropolitan Area. 3. Bridges--Massachusetts--Design and construction. 4. Charles River (Mass.)--Bridges--Design and construction. 5. Third Harbor Tunnel (Boston, Mass.) 6. Central Artery Tunnel (Boston, Mass.) 7. Interstate 90 (Mass.) 8. Interstate 93 (Mass.)

Rev-1 11-14-95 TLBAsc

CONSTRUCTION CONTRACTS--UNITED STATES.

HE
131
.T687sy
no.214

Bramble, Barry E.
Resolution of disputes to avoid construction claims / Barry E. Bramble, Mark D. Cipollini. -- Washington, D.C. : National Academy Press, 1995.
39 p. ; 28 cm. -- (National Cooperative Highway Research Program synthesis of highway practice, ISSN 0547-5570 ; 214)
ISBN 0-309-05858-9

1. Construction contracts--United States. 2. Dispute resolution (Law)--United States. 3. Road construction contracts--United States.

02 OCT 95 33195145 TLBAsc 95-61130

CULVERTS--ALASKA--EVALUATION.

TE
213
.B43
S34
1994

Behlke, Charles E.
Salmon passage through culverts / Charles E. Behlke, Douglas L. Kane. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northern Engineering, University of Alaska Fairbanks, [1994]
iv, 8 p. ; 28 cm.
STRN: SPR-UAF-92-4

1. Culverts--Alaska--Evaluation. 2. Fishways--Alaska. 3. Salmon fisheries--Alaska. 4. Salmon--Alaska--Habitat.

03 NOV 95 33382064 TLBAsc

DETECTORS.

TE
228
.W66
B43
1994

Woods, Donald L.
Effective placement of detectors for computerized traffic control summary report / by Donald L. Woods and Nelson J. Rowan. -- College Station, Tex. : Texas Transportation Institute, Texas A & M University System ; [Springfield, Va. : available through National Technical Information Service, 1994]
xiii, 31 p. : ill. ; 28 cm. -- (Research report ; 1392-9F)

1. Detectors. 2. Express highways--Management. 3. Traffic flow. 4. Traffic congestion. 5. Traffic engineering. 6. Highway engineering.

15 AUG 95 32865900 TLBAsc

ELECTRIC ENGINEERING--ESTIMATES--UNITED STATES--PERIODICALS.

REF.
TH
435
.M42
E43

Means electrical change order cost data. -- 1st aoonal ed. (1989)- -- Kingston, MA : Means, c1989- v. : ill. ; 28 cm.
Aonual.
LATEST 2 YEARS
ISSN 1044-2812 = Means electrical change order cost data

1. Electric engineering--Estimates--United States--Periodicals. 2. Electric engineering--Estimates--Canada--Periodicals. 3. Electric engineering--Estimates--Periodicals. 4. Electricity io building--Periodicals.

29 NOV 95 19731802 TLBAsc 89-647310

FRINGE PARKING--MASSACHUSETTS--BOSTON METROPOLITAN AREA.

TL
176
.B7
A52
1982

Analysis of fringe parking facilities as a reasonably available control measure for the Boston Region. -- [Boston, Mass.] : Metropolitan Area Planning Council, 1982.
28, [16] p. : maps ; 28 cm.

1. Fringe parking--Massachusetts--Boston Metropolitan Area. 2. Air quality management--Massachusetts--Boston Metropolitan Area.

Rev-1 10-16-95 TLBAsc

EMPLOYEES--DISMISSAL OF--UNITED STATES.

HF
5549.5
.D55
G78
1992

Gruho, Arthur W.
Coping with major staff reductions / Arthur W. Gruhn. -- [Bethersfield, Ct. : Connecticut Dept. of Transportation, 1992]
18 leavee ; 28 cm.

1. Employees--Dismissal of--United States. 2. Personnel mannagement--United States.

22 NOV 95 33662221 TLBAec

FROZEN GROUND--ALASKA--DATA BASES.

TA
713
.H84
P47
1995

Hulsey, J. Leroy.
Permafrost databame, 1994 / J. Leroy Hulsey. -- Fairbanks, Alaska : Transportation Research Center, Institute of Northen Engineering, University of Alaska Fairbanks, [1995]
ix, 94 p. : ill. ; 28 cm.
STRN: SPR-UAF-94-17

1. Frozen ground--Alaska--Data bases. 2. Roads--Alaska--Embankments. 3. Arctic regions.

03 NOV 95 33286606 TLBAsc

EXPERT SYSTEMS (COMPUTER SCIENCE)

TG
380
.H47
E96
1994

Bess, Michael R.
An expert system for fabrication error solutions / Michael R. Hess, Srinath Nagaraja. -- Topeka, KS : Kansas Dept. of Transportation, 1994.
vii, 97, v, 61 p. ; 28 cm.
STRN: K-TRAN: KU/KSU-93-2

1. Expert systems (Computer science) 2. Bridges, Iron and steel--Testing. 3. Bridges, Iron and steel--Inspection.

Rev-1 6-23-95 TLBAec

GLOBAL POSITIONING SYSTEM.

TL
696
.A77
M42
1995

Mead, Kenneth M.
National Airspace System : assessmeot of FAA's efforts to augment the global positioning system : statement of Kenneth M. Mead, Director, Transportation Iesues, Resources, Community, and Economic Development Divieion, before the Subcommittee on Aviatioo, Committee on Traneportation and Infrastructure, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
11, [2] p. : ill., map ; 28 cm. -- (Iestimooy ; GAO/T-RCED-95-218)

06 SEP 95 32735620 TLBAsc SEE NEXT CRD

FERRIES--MASSACHUSETTS--BOSTON.

HE
5783
.M4
B776
1990

Roll-on roll-off ferry feasibility study / submitted to Massachusette Port Authority; submitted by Cambridge Systematics, Inc. with TAMS Consultants, Inc. -- [Boston, Mams. : Massachusetts Port Authority, 1990]
i v. in various pagings : ill., planm ; 28 cm.

1. Ferries--Massachusetts--Boston. 2. Harbors--Massachusetts--Boston--Transportation.

Rev-1 11-15-95 TLBAsc

GROUND PENETRATING RADAR.

TE
205
.S32
G76
1994

Saarekoketo, Timo.
Grouod penetrating radar applications on roads and highways / by Timo Saarenketo aod Tom Scullion. -- College Station, TX : Texas Transportation Institute, Texas A & M University System ; [Spriogfield, Va. : available through National Iechnical Ioformatioo Service, 1994]
xiii, 37 p. : ill. ; 28 cm. -- (Research report ; 1923-2F)

1. Pavements--Evaluation. 2. Ground penetrating radar.

27 SEP 95 32878565 TLBAsc

HIGH OCCUPANCY VEHICLE LANES--VIRGINIA.

HE
336
.H4
J47
1995

Jernigan, Jack D.
The effect of motorcycle travel on the safety and operations of HOV facilities in Virginia / Jack D. Jernigan, Cheryl W. Lynn. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
iii, 34 p. : ill. ; 28 cm. -- (VTRC ; 95-R26)
STRN: FHWA/VA-95-R26

1. High occupancy vehicle lanes--Virginia. 2. Motorcycles--Virginia. 3. Traffic accidents--Virginia.

15 AUG 95 32914010 TLBAsc

HIGHWAY COMMUNICATIONS--VIRGINIA--HANDBOOKS, MANUALS, ETC.

TE
228.3
.V56
1995

Virginia Department of Transportation
HAR operational guidelines / Virginia Department of Transportation. -- [Richmond] : Virginia Dept. of Transportation, [1995]
19 p. ; 28 cm.

1. Highway communications--Virginia--Handbooks, manuals, etc. 2. Mobile communication systems--Virginia--Handbooks, manuals, etc. 3. Radio--Transmitters and transmission--Handbooks, manuals, etc. 4. Virginia. Dept. of Transportation.

11 DEC 95 33252775 TLBAsc

HOLIDAYS--UNITED STATES--PERIODICALS.

REF.
GT
4803
.C48

Chase's ... calendar of events. --
1995- . -- Chicago, Ill. :
Contemporary Books, c1994-
v. : ill. ; 28 cm.
Annual.
LATEST YEAR ONLY
Continues: Chase's annual events.
ISSN 1083-0588 = Chase's calendar of events

1. Holidays--United States--Periodicals. 2. Holidays--Periodicals. 3. Calendars. 4. Festivals.

22 NOV 95 31325092 TLBAsc 95-644678

INTERNET (COMPUTER NETWORK)

TK
5105.875
.I57
G54
1994

Gilster, Paul, 1949-
The Internet navigator / Paul Gilster. -- 2nd ed. -- New York : Wiley, c1994.
xxxii, 580 p. : ill. ; 24 cm.
ISBN 0-471-05260-4 (acid-free paper)

1. Internet (Computer network)

06 SEP 95 30112576 TLBAsc 94-9039

INTERSTATE 93 (MASS.)

HE
356.5
.B721
W626
1988

Proposed I-93 Woburn interchange, Woburn, Massachusetts : environmental assessment/final environmental impact report/ submitted to Massachusetts Highway Department ; submitted by Vanasse Hangen Brustlin, Inc. -- [Boston, Mass. : Massachusetts Highway Dept.], 1995
1 v. in various pagings : ill., maps, plans ; 28 cm.

1. Interstate 93 (Mass.) 2. Roads--Massachusetts--Interchanges and intersections. 3. Traffic flow--Massachusetts. 4. Traffic engineering--Massachusetts.

Rev-1 8-30-95 TLBAsc

LAND USE--WASHINGTON (STATE).

HE
308
.W2
P583
1995

Pivo, Gary.
Land use trends affecting auto dependence in Washington's metropolitan areas / by Gary Pivo, Paul Hess, Abhay Thatte. -- [Olympia, Wash.] : Washington State Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1995]
viii, 99, A-2, B-9 p. : maps, charts ; 28 cm.
STRN: WA-RD 380.1
1. Land use--Washington (State). 2. Urban transportation--Washington (State). 3. Automobile driving--Washington (State). 4. Choice of transportatio n.

03 NOV 95 33320175 TLBAsc

LOCAL TRANSIT--MANAGEMENT.

HE
131
.T687tte
no.13

Kaddatz, Michael M.
Risk management for small and medium transit agencies / Michael M. Kaddatz (Advanced Risk Management Techniques, Inc.). -- Washington, D.C. : Transportation Research Board, National Academy Press, 1995.
31 p. : charts ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880; 13)
ISBN 0-309-05861-9

1. Local transit--Management. 2. Local transit--Planning. 3. Risk management.

11 DEC 95 33883372 TLBAsc 95-61368

LOCAL TRANSIT--RIDERSHIP.

HE
131
.T687rr
no.4

Transit ridership initiative / prepared for Transit Cooperative Research Program by Cambridge Systematics. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1995]
46 p. ; 28 cm. -- (Research Results Digest / Transit Cooperative Research Program ; no.4)

1. Local transit--Ridership.

18 AUG 95 32265038 TLBAsc

LOCAL TRANSIT--UNITED STATES--
FINANCE.

HE
4351
.P82
E68
1981

Pucher, John R.
Equity in transit finance : a quantitative assessment of the impacts of transit subsidies on low-income and minority groups : final report / John Pucher ; prepared with the research assistance of Ira Hirschman ... [et al.]. -- [Washington, D.C. : U.S. Dept. of Transportation ; Springfield, Va. : Available to the U.S. public through the National Technical Information Service, 1981].
ix, 83 p. ; 28 cm.
1. Local transit--United States--Finance. 2. Urban transportation policy--United States.

Rev-1 8-8-95 TLBAsc

LOGAN INTERNATIONAL AIRPORT (MASS.)

HE
9797.6
.B7
P523
1994

Boston-Logan International Airport : annual update 1993 / prepared for Massachusetts Port Authority ; prepared by Vanasse Hangen Brustlin, Inc., in association with Harris Miller Miller & Hanson, Inc. ; KM Chngf Environmental Inc. -- [Boston, Mass.] : Vanasse Hangen Brustlin, Inc., 1994.
2 v. : ill., maps, plans ; 28 cm.

1. Logan International Airport (Mass.) 2. Airports--Massachusetts--Boston Metropolitan Area.

Rev-1 7-6-95 TLBAsc

LOGAN INTERNATIONAL AIRPORT (MASS.)--
PLANNING.

HE
9797.6
.B7
P384
1995

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Rev-1 8-23-95 TLBAsc

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24 OCT 95 33348839 TLBAsc

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HE
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REF.
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WHAT YOU NEED TO KNOW ABOUT SLURRY SEAL
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RECYCLED CONCRETE A WINNER IN ATLANTIC CITY
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GIS HELPS WITH TRAFFIC ACCIDENT MITIGATION
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Every three years it happens. The 1996 edition of the CONEXPO-CON/AGG equipment show took well over a million square feet of exhibition space to hold the largest display of what the well-equipped contractor will be flaunting in 1996 and beyond. Manufacturers pushed their products as the latest solution to efficient production. **Page 10**

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The concrete spillway portion of an embankment dam breached, releasing a 10-ft wave of ice-laden water that apparently killed one person, injured others and washed out a lengthy section of state highway in New Hampshire. **Page 10**

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Cover photo: Michael Goodman for ENR

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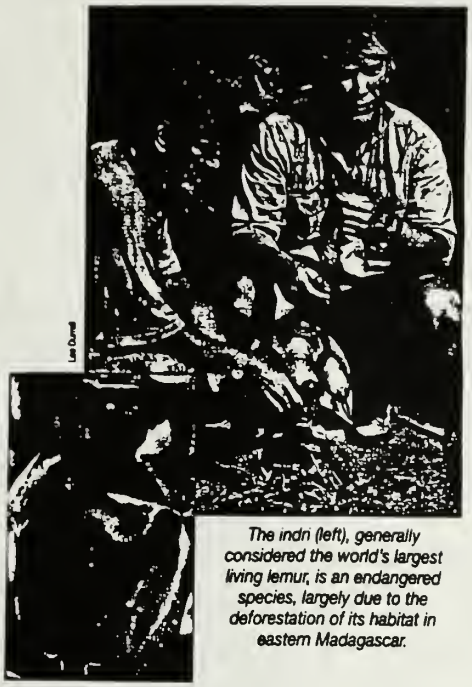

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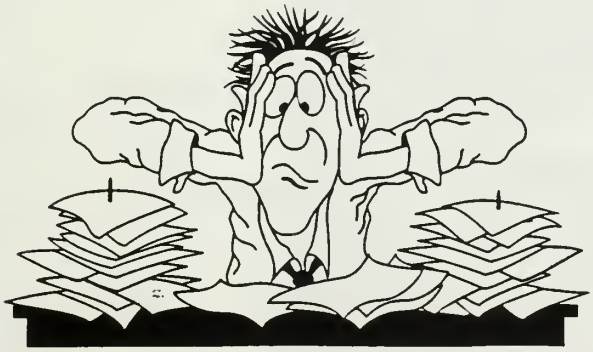

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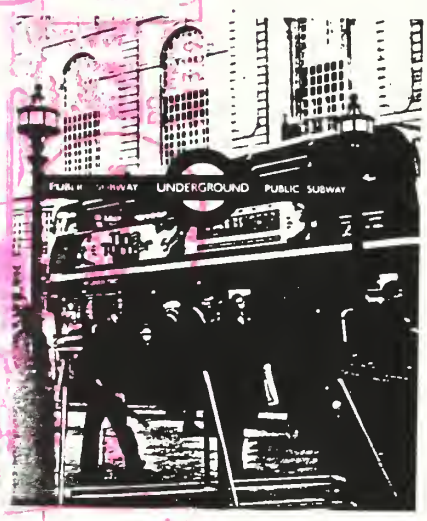

TRANSIT OPERATIONS
From analyzing outsourcing possibilities to keeping a finger on the public pulse, transit systems worldwide are coping with an increasing number of tasks and responsibilities. Different systems, different strategies. Paris and NY, for instance, measure rider satisfactions and discontents with different approaches, but both get good results. Operator training, financing, merchandising the "product" are some other key operations functions we take a look at in this issue.

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AERONAUTICS, COMMERCIAL--CONGRESSES.

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AIRPORTS--MANAGEMENT.

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1. Airports--Management. 2. Airports--Traffic control. 3. Air traffic control. 4. Airport terminals --Design and construction.

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AFRO-AMERICANS--HISTORY--STUDY AND TEACHING.

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1 videocassette (VHS) (ca. 29 min.) : sd., col. with b&w sequences ; 1/2 in.
ISBN 1-55933-150-X (guide)

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1 v. in various pagings : ill. ; 28 cm. -- (Special report / Transportation Research Board, National Research Council ; 248)
ISBN 0-309-06209-8
1. Automobiles--Crashworthiness. 2. Automobiles-- Defects--Reporting. 3. Consumer e ducation.

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AGED AUTOMOBILE DRIVERS.

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Intersection design decision/reaction time for older drivers / submitted by Johnny R. Graham ... [et al.]. -- Charlotte, : University of North Carolina at Charlotte, Dept. of Civil Engineering, [1995]
vi, 97 p. : ill. ; 28 cm.
STRN: FHWA/NC/95-002

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BICYCLE COMMUTING--UNITED STATES--CASE STUDIES.

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Trading off among the needs of motor vehicle users, pedestrians, and bicyclists / prepared by William C. Wilkinson. -- [Washington, D.C.?] : U.S. Dept. of Transportation, Federal Highway Administration, [1993]
vi, 25 p. ; 28 cm. -- (National bicycling and walking study; Case study no. 10.)

1. Bicycle commuting--United States--Case studies. 2. Cycling--United States--Case studies. 3. Walking--United States--Case studies.

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BRIDGES, CONCRETE--FOUNDATIONS AND PIERS.

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265
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1995

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Seismic vulnerability of strutted-column bridge bents / by Glen J. Pappas and M. Lee Marsh. -- [Olympia, Wash. : Washington State Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 1995]
xi, 321 p. : ill. ; 28 cm.
STRN: WA-RD 361.1

1. Bridges, Concrete--Foundations and piers. 2. Bridges--Earthquake effects. 3. Earthquake resistant design.

34207904 TLBAsc

BRIDGES--FLOORS--DESIGN AND CONSTRUCTION.

TG
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BRIDGES--MAINTENANCE AND REPAIR.

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Management and maintenance of bridge structures. -- Washington, D.C. : National Academy Press, 1995.
89 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1490)
ISBN 0-309-06154-7

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McLean, David I.
Seismic evaluation and retrofit of bridge substructures with spread and pile-supported foundations / by David I. McLean, Thad D. Saunders and Harold H. Hahnenkratt. -- [Olympia, Wash. : Washington State Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 1995]
vi, 48 p. : ill. ; 28 cm.
STRN: WA-RD 382.1
1. Bridges--Maintenance and repair. 2. Bridges--Foundations and piers. 3. Reinforced concrete construction. 4. Bridges--Earthquake effects. 5. Earthquake re sistant design.

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BRIDGES--VIBRATION--TESTING.

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v, 44 p. : ill. ; 28 cm. -- (Research report / New York State Dept. of Transportation, Engineering Research and Development Bureau ; 165)
STRN: FHWA/NY/ER-95/165
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BUS LINES--EMPLOYEES--EFFECT OF TECHNOLOGICAL INNOVATIONS ON.

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Moffat, Gayland K.
Changing roles and practices of bus field supervisors / Gayland K. Moffat and Diane K. Blackburn. -- Washington, D.C. : National Academy Press, 1996.
45 p. : charts, forms ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880; 16)
ISBN 0-309-05870-8

1. Supervisors--Training of. 2. Bus lines--Employees--Effect of technological innovations on.

34751622 TLBAsc 96-60019

BUS LINES--WASHINGTON (STATE)--EVALUATION.

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Hodge, David C.
Measuring level of service and performance in public transportation / by David C. Hodge [and] James D. Orrell, III. -- [Olympia, Wash.] : Washington State Dept. of Transportation ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
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STRN: WA-RD 390.1

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BUSES--MAINTENANCE AND REPAIR.

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1. Buses--Maintenance and repair.

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CHOICE OF TRANSPORTATION--FORECASTING--MATHEMATICAL MODELS.

HE
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Travel demand forecasting, travel behavior analysis, time-sensitive transportation, and traffic assignment methods. -- Washington, D.C. : National Academy Press 1995.
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1. Choice of transportation--Forecasting--Mathematical models. 2. Transportation--Planning--Mathematical models. 3. Traffic assignment--Mathematical models.

34051450 TLBAsc 92-30914r93

COMMUTING--UNITED STATES

HD
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A22
1994

Access to opportunity : linking inner-city workers to suburban jobs / [prepared by K. Hopper & Associates for American Public Transit Association] ; with a grant from the Ford Foundation. -- Washington, DC : American Public Transit Association, [1994].
62 p. ; 27 cm.

1. Commuting--United States 2. Suburbs--United States 3. Local transit--United States 4. Labor mobility--United States.

30576835 TLBAsc

COMPRESSED NATURAL GAS.

TL
232
.F74
C63
1995

Friedman, David M.
Clean air program : compressed natural gas safety in transit operations / David M. Friedman, Norman D. Malcosky. -- [Washington, DC] : U.S. Dept. of Transportation, Federal Transit Administration, Office of Research Demonstration and Innovation, [1995]
xix, 1-62, 2-78 p. : ill. ; 28 cm.

1. Compressed natural gas. 2. Buses --Safety measures. 3. Local transit--Safety measures.

34111185 TLBAsc

DENVER INTERNATIONAL AIRPORT.

TL
726.3
.D58
U54
1995

United States. General Accounting Office.
Denver International Airport : baggage handling, contracting, and other issues : fact sheet for the Honorable Hank Brown, U.S. Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
37 p. ; 28 cm.
1. Denver International Airport. 2. Airports--Baggage handling--Colorado--Denver (Colo.) 3. Airport construction contracts--Colorado--Denver (Colo.)--Evaluation.

33040970 TLBAsc

DENVER INTERNATIONAL AIRPORT--FINANCE--EVALUATION.

TL
726.3
.D58
U542
1995

United States. General Accounting Office.
Denver international airport : information on selected financial issues : report to the Honorable Hank Brown, U.S. Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
24 p. ; 28 cm.

1. Denver International Airport--Finance--Evaluation.

33247885 TLBAsc

DRIVEWAYS--LOCATION.

HE
131
.T687c
no.456

Driveway and street intersection spacing. -- Washington, D.C. : Transportation Research Board, National Research Council, [1986]
44 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 456)

1. Driveways--Location. 2. Roads--Interchanges and intersections--Location. 3. Roads--Access control.

34751709 TLBAsc

EARTHQUAKE RESISTANT DESIGN.

TD
892
.H5
K34
1995

Kakaliagos, Aristotle.
Seismic response of reinforced masonry soundwalls / by Aristotle Kakaliagos, Frieder Seible, M.J. Nigel Priestley. -- La Jolla, Calif. : Structural Systems Research, University of California, San Diego, [1995]
211 p. in various pagings : ill. (some col.) ; 28 cm. -- (Report ; no. SSRP-95/07)
STRN: FHWA/CA/UCSD-95/01

1. Earthquake resistant design. 2. Noise barriers--Design and construction--Testing. 3. Reinforced masonry--Testing.

33838360 TLBAsc

ELECTRIC RAILROADS--CARS--MAINTENANCE AND REPAIR.

HE
4491
.M54
M47
1995

Metro-Dade graffiti prevention project / prepared by ICF Kaiser. -- [Washington, D.C.] : Federal Transit Administration, Office of Research, Demonstration and Innovation ; [Springfield, VA : Available through the National Technical Information Service, 1995]
270 p. in various pagings : ill. ; 28 cm.
STRN: FTA-FL-26-0001-95-1
1. Electric railroads--Cars--Maintenance and repair. 2. Protective coatings. 3. Graffiti--Florida--Miami Metropolitan Area--Prevention. 4. Local transit crime--Florida--Miami Metropolitan Area--Prevention.

34485115 TLBAsc

ELECTRIC VEHICLES.

TL
220
.U54
E43
1995

United States. General Accounting Office.
Electric vehicles : efforts to complete advanced battery development will require more time and funding : report to the Ranking Minority Member, Committee on Governmental Affairs, United States Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
44 p. : ill. ; 28 cm.
1. Electric vehicles. 2. United States. Dept. of Energy--Appropriations and expenditures--Management.

33189513 TLBAsc

ELECTRONIC TRAFFIC CONTROLS.

HE
131
.I687r
no.1495

Traffic control devices, visibility and railroad grade crossings. -- Washington, D.C. : National Academy Press, 1995.
vii, 170 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1495)
ISBN 0-309-06160-1

1. Electronic traffic controls. 2. Traffic signs and signals. 3. Road markings. 4. Railroads--Crossings.

34100238 ILBAsc

GEOGRAPHIC INFORMATION SYSTEMS.

HE
131
.I687r
no.1497

Artificial intelligence and geographical information. -- Washington, D.C. : National Academy Press, 1995.
vii, 163 p. : ill., maps ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1497)
ISBN 0-309-06163-6

1. Geographic information systems. 2. Artificial intelligence. 3. Electronic traffic controls. 4. Intelligent Vehicle Highway Systems.

34100281 ILBAsc

ENVIRONMENTAL POLICY.

GE
170
.F67
L36
1995

Forman, Richard T. T.
Land mosaics : the ecology of landscapes and regions / Richard T.T. Forman. -- Cambridge ; New York : Cambridge University Press, 1995.
xx, 632 p. : ill. ; 26 cm.
ISBN 0-521-47462-0 (hardback)

1. Environmental policy. 2. Landscape ecology. 3. Human ecology.

31329626 ILBAsc 94-39092

HIGH OCCUPANCY VEHICLE LANES--TEXAS--AUSTIN.

HE
336
.H4
A52
1994

Analysis of interstate 35 design alternatives for Austin, Texas / by Jimmie D. Benson ... [et al.]. -- College Station : Texas Transportation Institute, Texas A&M University System ; [Springfield, Va. : Available through National Technical Information Service, 1994]
xv, 50, [22] p. ; 28 cm. -- (Research report ; 1953-1F)
Research study title: Analysis of interstate 35 design alternatives for District 14.
STRN: TX-94/1953-1F
1. High occupancy vehicle lanes--Texas--Austin. 2. Traffic engineering--Texas--Aust in. 3. Traffic estimation--T exas--Austin. 4. Traffic assig nment.

34003108 ILBAsc

EXPRESS HIGHWAYS--MAINTENANCE AND REPAIR--SAFETY MEASURES.

TE
220
.P34
E92
1995

Pal, Raktim.
An evaluation of lane closure strategies for interstate work zones / by Raktim Pal and Kumares C. Sinha. -- West Lafayette, Ind. : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
xi, 200 p. : ill. ; 28 cm.
STRN: FHWA/IN/JHRP-95/1

1. Express highways--Maintenance and repair--Safety measures. 2. Traffic flow. 3. Travel time (Traffic engineering)

34055590 ILBAsc

HIGH OCCUPANCY VEHICLE LANES--WASHINGTON (STATE)--SEATTLE METROPOLITAN AREA.

HE
336
.H4
W67
1995

Woodson, Jeffrey B.
Automated video-based survey of travel times in HOV vs. general purpose lanes / Jeffrey B. Woodson, Paul W. Shuldiner, Salvatore A. D'Agostino. -- [Olympia, Wash. : Washington State Dept. of Transportation ; Springfield, VA : Available through the National Technical Information Service, 1995]
i, 34 p. : map ; 28 cm.
STRN: WA-RD 399.1
1. High occupancy vehicle lanes--Washington (State)--Seattle Metropolitan Area. 2. Travel time (Traffic engineering)--Washington (State)--Seat tle Metropolitan Area --Measurement . 3. Video recording.

34267495 ILBAsc

FUEL.

TP
358
.A475
1994

Alternatives to traditional transportation fuels : an overview. -- Washington, D.C. : Energy Information Administration, Office of Coal, Nuclear, Electric and Alternate Fuels, [1994]
xv, 148 p. : ill. ; 28 cm.

1. Fuel. 2. Diesel motor--Alternate fuels. 3. Internal combustion engines, Spark ignition--Alternate fuels. 4. Electric vehicles.

30835171 ILBAsc 94-218478

HIGHWAY CAPACITY.

HE
131
.I687r
no.1484

Traffic operations : highway capacity. -- Washington, D.C. : National Academy Press, 1995.
v, 104 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1484)
ISBN 0-309-06123-7

1. Highway capacity. 2. Traffic flow. 3. Travel time (Traffic engineering)

33902280 ILBAsc

HIGHWAY CAPACITY--UNITED STATES--CONGRESSES.

HE
131
.T687r
no.1494

Traffic operations, traffic signal systems, and freeway operations 1995. -- Washington, D.C. : National Academy Press, 1995.
vii, 175 p. : ill., maps ; 28 cm. -- (Transportation research record. ISSN 0361-1981 ; no. 1494)
ISBN 0-309-06161-X

1. Highway capacity--United States--Congresses. 2. Traffic flow--United States--Congresses. 3. Traffic signs and signals--United States--Congresses. 4. Intelligent Vehicle Highway Systems--United States--Congresses.

34399787 TLBAsc

HIGHWAY DEPARTMENTS--EMPLOYEES--SALARIES, ETC.--UNITED STATES--STATISTICS.

HE
131
.T687c
no.455

Progress report on maintenance and operations personnel. -- Washington, D.C. : Transportation Research Board, National Research Council, [1996]
45 p. : charts ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 455)

1. Highway departments--Employees--Salaries, etc.--United States--Statistics.

34751705 TLBAsc

HIGHWAY DEPARTMENTS--UNITED STATES--EVALUATION.

HE
131
.T687n
no.376

Customer-based quality in transportation / Kathleen E. Stein-Hudson ... [et al.]. -- Washington, D.C. : National Academy Press, 1995.
56 p. : ill., map ; 28 cm. -- (Report / National Highway Cooperative Research Program, ISSN 0077-5614 ; 376)
ISBN 0-309-05705-1

1. Highway departments--United States--Evaluation. 2. Highway departments--United States--Management. 3. Total quality management--United States. 4. Total quality management in government--United States.

33831248 TLBAsc 95-62044

HIGHWAY ENGINEERING--MASSACHUSETTS.

REF.
TE
180
.M4
S722

Massachusetts. Highway Dept.
Standard specifications for highways and bridges. -- Metric ed. -- 1995 - . -- Boston, Mass. : The Dept., 1995-
v. ; 28 cm.
Irregular.

1. Highway engineering--Massachusetts. 2. Bridges--Massachusetts. 3. Roads--Massachusetts. 4. Road construction contracts--Massachusetts. 5. Bridges--Design and construction--Massachusetts.

TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS.

HE
131
.T687r
no.1516

Intelligent transportation systems. -- Washington, D.C. : National Academy Press, 1995.
v, 91 p. : ill., maps ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1516)
ISBN 0-309-06207-1

1. Intelligent Vehicle Highway Systems.

33982900 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--VIRGINIA--PLANNING--EVALUATION.

TE
228.3
.E93
1996

Evaluation of the ITS planning process / Brian L. Smith ... [et al.]. -- Charlottesville : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1996]
61 p. in various pagings ; 28 cm. -- (VTRC ; 96-R19)

1. Intelligent Vehicle Highway Systems--Virginia--Planning. 2. Intelligent Vehicle Highway Systems--Virginia--Planning--Evaluation. 3. Highway communications--Virginia--Technological innovations.

34235463 TLBAsc

INTERNET (COMPUTER NETWORK).

A-V
TK
5105.875
.I57
Y68
1995

Your roadmap to the internet : [videorecording] Via the Bureau of Transportation Statistics. -- Washington, D.C.; U.S. Department of Transportation, Bureau of Transportation Statistics, 1995.
1 videocassette (18 min.) sd., col.; 1/2 in. + 1 Internet starter kit (73 p., 28 cm.).

1. Internet (Computer network).

34105881 TLBAsc

LOCAL TRANSIT--COST OF OPERATION.

TF
710
.A43
G84
1993

American Public Transit Association.
Guideline for rail rapid transit equipment reliability, availability and maintainability assessment / produced by Technical Services Dept. -- Washington : The Association, 1993.
[5], 10 leaves ; 28 cm.

1. Local transit--Cost of operation. 2. Subways--Maintenance and repair. 3. Local transit--Equipment and supplies--Reliability. 4. Electric railroads--Equipment and supplies--Reliability.

TLBAsc

LOCAL TRANSIT--FARES.

HE
131
.T687ttr
no.10

Fare policies, structures, and technologies / Daniel Fleishman ... [et al.]. -- Washington, D.C. : National Academy Press, 1996.
181, 23 p. : ill. ; 28 cm. -- (TCRP report, ISSN 1073-4872 ; 10)
ISBN 0-309-05713-2

1. Local transit--Fares. 2. Smart cards.

34821172 TLBAsc 96-60005

LOCAL TRANSIT--FARES.

HE
4341
.A36
1993

Rapid transit (rail) fare collection survey. -- Washington, D.C. : American Public Transit Association, 1993.
1 v. [various pagings] ; 28 cm.

1. Local transit--Fares.

30566867 TLBAsc

LOCAL TRANSIT--FARES--MATHEMATICAL MODELS

HE
4341
.F37
1991

Fare elasticity and its application to forecasting transit demand / American Public Transit Association. -- Washington, D.C. : American Public Transit Association, 1991
136 p. : ill. ; 28 cm.

1. Local transit--Fares--Mathematical models 2. Choice of transportation--Mathematical models

26164661 TLBAsc

LOCAL TRANSIT--PLANNING.

HE
131
.T687ttr
no.14

Hooper, Katherine S.
Innovative suburb-to-suburb transit practices / Katherine S. Hooper. -- Washington, D.C. : Transportation Research Board, National Academy Press, 1995.
50 p. : ill. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880; 14)
ISBN 0-309-05862-7

1. Local transit--Planning. 2. Suburbs. 3. Commuting. 4. Urban transportation--Planning.

33892377 TLBAsc

LOCAL TRANSIT--UNITED STATES.

REF.
HE
4421
.L56
A43
1992

Linsalata, Larry H.
Americans in transit : a profile of public transit passengers / prepared by Jim Linsalata. -- Washington, DC : American Public Transit Association, [1992]
10 p. : charts ; 28 cm.

1. Local transit--United States. 2. Local transit--United States--Statistics.

27458102 TLBAsc

LOCAL TRANSIT--UNITED STATES--MANAGEMENT.

HE
131
.T687ttr
no.5

Guidelines for development of public transportation facilities and equipment management systems / Parsons, Brinckerhoff, Quade & Douglas, Inc. -- Washington, D.C. : National Academy Press, 1995.
55 p. ; 28 cm. -- (TCRP report. ISSN 1073-4872 ; 5)
ISBN 0-309-05702-7

1. Local transit--United States--Management. 2. Local transit--United States--Costs. 3. Local transit--United States--Finance.

33831223 TLBAsc 95-61339

LOCAL TRANSIT--UNITED STATES--MANAGEMENT.

HE
131
.T687ttr
no.8

MacDorman, Littleton C.
The quality journey : a TQM roadmap for public transportation / Littleton C. MacDorman, John C. MacDorman, William I. Fleming. -- Washington, D.C. : National Academy Press, 1995.
67 p. ; 28 cm. -- (TCRP report, ISSN 1073-4872 ; 8)
ISBN 0-309-05711-6

1. Local transit--United States--Management. 2. Local transit--United States--Personnel management. 3. Total quality management.

34039723 TLBAsc 95-62100

LOCAL TRANSIT--UNITED STATES--MARKETING.

HE
131
.T687r
no.1496

Public transportation 1995 : current research in planning, management, technology, and ridesharing / Transportation Research Board, National Research Council. -- Washington, D.C. : National Academy Press, 1995.
vii, 198 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1496)
ISBN 0-309-06174-1
1. Local transit--United States--Marketing. 2. Local transit--United States--Management. 3. Local transit--United States--Technological innovations. 4. Local transit--United States--Fares . 5. Ridesharing--United States .

33950029 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--CARS, LRV--NO.8--DESIGN AND CONSTRUCTION.

TF
920
.M3
T432
1995

Technical provisions for: no. 8 low floor cars. -- [S.l.] : LTK Consulting Services, c1995.
1 v. (various pagings) : ill., plans ; 28 cm.

1. Electric railroads--Massachusetts --Cars. 2. Electric railroads--Cars. 3. Massachusetts Bay Transportation Authority--Cars, LRV--no.8--Design and construction. 4. Massachusetts Bay Transportation Authority--Cars--Contracts and specifications.

34776749 TLBAsc

MASSACHUSETTS BAY TRANSPORTATION AUTHORITY--COMMUTER RAIL--WORCESTER BRANCH--PLANNING.

HE
2781
.B757
P786
1994

Worcester commuter rail extension project : Draft environmental impact report / submitted to : Executive Office of Environmental Affairs MEPA unit ; submitted by : Massachusetts Bay Transportation Authority. -- Boston, Mass. : Massachusetts Bay Transportation Authority, 1994
3 v. : ill., maps, plans ; 28 cm.
1. Local transit--Massachusetts--Boston Metropolitan Area--Planning. 2. Massachusetts Bay Transportation Authority--Commuter rail--Planning. 3. Massachusetts Bay Transportation Authority--Commuter rail--Worcester Branch--Plann ing.

34106756 TLBAsc

MEDIAN STRIPS--DESIGN AND CONSTRUCTION.

HE
131
.I687a
no.375

Median intersection design / Douglas W. Harwood ... [et al.]. -- Washington, D.C. : National Academy Press, 1995.
93 p. : ill. ; 28 cm. -- (Report / National Highway Cooperative Research Program, ISSN 0077-5614 ; 375)
ISBN 0-309-05704-3

1. Median strips--Design and construction. 2. Roads--Interchanges and intersections--Design and construction.

34285052 TLBAsc 95-62224

MICROSOFT WINDOWS (COMPUTER FILE)

QA
76.76
.W56
P48
1996

Petzold, Charles, 1953-
Programming Windows 95 / Charles Petzold. -- 4th ed. -- Redmond, Wash. : Microsoft Press, c1996.
xi, 1100 : ill. ; 23 cm. + 1 computer laser optical disc (4 3/4 in.).
ISBN 1-55615-676-6

1. Microsoft Windows (Computer file) 2. Operating systems (Computers)

33947413 TLBAsc 95-49555

NANTUCKET MEMORIAL AIRPORT.

HE
9797.6
.N21
N352
1995

Nantucket Memorial Airport : 5 year plan of improvements / submitted by Massachusetts Aeronautics Commission; Nantucket Airport Commission ; prepared by Edwards and Kelcey, Inc. -- [Boston, Mass.] : Edwards and Kelcey, Inc., 1995.
1 v. in various pagings : ill., maps, plans ; 28 cm.

1. Nantucket Memorial Airport. 2. Airports--Massachusetts--Planning.

TLBAsc

PAVEMENTS, ASPHALT CONCRETE--TESTING.

TE
270
.M34
S97
1995

McKeen, R. Gordon.
Survey of technology for asphalt content measurements / R. Gordon McKeen. -- Santa Fe : New Mexico State Highway and Transportation Dept. ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
xii, 32 p. ; 28 cm.

1. Pavements, Asphalt concrete--Testing. 2. Pavements, Asphalt concrete--Additives. 3. Radioactive gages.

34341124 TLBAsc

PAVEMENTS, ASPHALT--RECYCLING.

HE
131
.I687r
no.1507

Seal coats and asphalt recycling. -- Washington, D.C. : National Academy Press, 1995.
v, 95 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1507)
ISBN 0-309-06201-2

1. Pavements, Asphalt--Recycling. 2. Pavements, Asphalt--Maintenance and repair. 3. Sealing compounds.

33996965 TLBAsc

PAVEMENTS, CONCRETE--DESIGN AND CONSTRUCTION.

TE
278
.S92
A22
1995

Sukley, Robin.
Accelerated rigid paving : special demonstration project 201 : final report / by Robin Sukley ; conducted by Pennsylvania Department of Transportation, Bureau of Construction Materials, Materials Testing Division, Engineering and Technology Section. -- [Harrisburg] : Pennsylvania Dept. of Transportation, Bureau of Construction Materials, [1995]
122 p. in various pagings : ill. ; 28 cm. -- (Research project ; 89-12 A/B)
STRN: FHWA-PA-95-006+89-012
1. Pavements, Concrete--Design and construction. 2. Concrete--Curing.

34482844 TLBAsc

PAVEMENTS--MAINTENANCE AND REPAIR--MANAGEMENT.

HE
131
.T687sy
no.222

Zimmerman, Kathryn A.
Pavement management methodologies to select projects and recommend preservation treatments / Kathryn A. Zimmerman. -- Washington, D.C. : National Academy Press, 1995.
96 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 222)
ISBN 0-309-05866-X

1. Pavements--Maintenance and repair--Management. 2. Pavements--Maintenance and repair--Management--Case studies.

29 MAR 96 34139871 TLBAsc 95-61873

PAVEMENTS, REINFORCED CONCRETE--EVALUATION.

TE
278.5
.R35
E92
1995

Ramakrishnan, V.
Evaluation of non-metallic fiber reinforced concrete in PCC pavements and structures / prepared by V. Ramakrishnan and Sidhesh Kakodkar. -- [Pierre] : South Dakota Dept. of Transportation, Office of Research, [1995]
1 v. (various pagings) : col. ill., charts ; 28 cm.
STRN: SD94-04-I

1. Pavements, Reinforced concrete--Evaluation. 2. Pavements, Reinforced concrete--Design and construction. 3. Reinforced concrete, Fiber--Evaluation.

08 APR 96 34235485 TLBAsc

PAVEMENTS--OVERLAYS.

TE
220.3
.O99
F53
1996

Ozyildirim, H. Celik (Hamdi Celik)
A field investigation of concrete overlays containing latex, silica fume, or Pyrament cement / Celik Ozyildirim. -- Charlottesville, Va. : Virginia Transportation Research Council, [1996]
iii, 23 p. : ill. ; 28 cm. -- (VTRC ; 96-R23)

1. Pavements--Overlays. 2. Bridges--Floors--Maintenance and repair. 3. Pavements, Concrete--Additives. 4. Silica fume. 5. Latex.

08 APR 96 34328045 TLBAsc

PAVEMENTS--SKID RESISTANCE.

HE
131
.T687r
no.1501

Pavement-vehicle interaction and traffic monitoring. -- Washington, D.C. : National Academy Press, 1995.
v, 94 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1501)
ISBN 0-309-06169-5

1. Pavements--Skid resistance. 2. Pavements--Live loads. 3. Trucks--Weight--Measurement.

28 MAR 96 34100252 TLBAsc

PAVEMENTS--OVERLAYS.

TE
220.3
.M67
O93
1995

Morgan, Rick L.
Overlays on faulted rigid pavements / Rick L. Morgan, Hong-Jer Chen, Dan E. McAuliffe. -- Albany, N.Y. : Engineering Research and Development Bureau, New York State Dept. of Transportation ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
v, 53 p. : ill. ; 28 cm. -- (Research report ; 166)
STRN: FHWA/NY/RR-95/166

1. Pavements--Overlays. 2. Pavements, Concrete--Maintenance and repair. 3. Pavements, Concrete--Joints.

24 APR 96 34303033 TLBAsc

PAVEMENTS--SUBGRADES.

HE
131
.T687r
no.1504

Modeling and model verification; testing pavement layers and materials; and low-cost drainage structures. -- Washington, D.C. : National Academy Press 1995.
v, 124 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1504)
ISBN 0-309-06172-5

1. Pavements--Subgrades. 2. Roads--Base courses. 3. Forest roads.

28 MAR 96 34080315 TLBAsc

PAVEMENTS--PERFORMANCE.

HE
131
.T687r
no.1508

Pavement performance data. -- Washington, D.C. : National Academy Press, 1995.
v, 109 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1508)
ISBN 0-309-06200-4

1. Pavements--Performance. 2. Pavements--Maintenance and repair. 3. Pavements--Testing.

28 MAR 96 34143022 TLBAsc

PAVEMENTS--UNITED STATES--TESTING--CONGRESSES.

HE
131
.T687r
no.1505

Pavement monitoring and evaluation issues. -- Washington, D.C. : National Academy Press 1995.
v, 136 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1505)
ISBN 0-309-06166-0

1. Pavements--United States--Testing--Congresses. 2. Pavements--United States--Maintenance and repair--Congresses. 3. Pavements--United States--Evaluation--Congresses.

28 MAR 96 34080271 TLBAsc

PEDESTRIANS.

HE
131
.T687r
no.1502

Bicycle and pedestrian research. -- Washington, D.C. : National Academy Press, 1995.
v, 128 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1502)
ISBN 0-309-06164-4

1. Pedestrians. 2. Cycling. 3. Bicycle trails. 4. Traffic accidents.

34143029 TLBAsc

PHYSICALLY HANDICAPPED--UNITED STATES--TRANSPORTATION.

HE
131
.T687ttr
no.9

Transit operations for individuals with disabilities / EG&G Dynatrend and Crain & Associates, Inc. -- Washington, D.C. : National Academy Press, 1995.
117 p. : ill. ; 28 cm. -- (TCRP report, ISSN 1073-4872 ; 9)
ISBN 0-309-05712-4

1. Physically handicapped--United States--Transportation. 2. Handicapped--United States--Transportation. 3. Local transit--United States--Access for the physically handicapped.

34519740 TLBAsc 96-60006

POTHOLES (ROADS)

TE
220
.P77
E92
1995

Prowell, Brian D.
Evaluation of cold mixes for winter pothole repair / Brian D. Prowell, Alan G. Franklin. -- Charlottesville, Va. : Virginia Transportation Research Council, [1995]
iii, 39 p. : ill. ; 28 cm. -- (VTRC ; 96-R9)

1. Potholes (Roads) 2. Pavements, Asphalt--Virginia--Maintenance and repair. 3. Pavements--Virginia--Maintenance and repair.

33861134 TLBAsc

PRIVATIZATION.

HD
3865
.A4
D66
1989

Donahue, John D.
The privatization decision : public ends, private means / John D. Donahue. -- New York : Basic Books, c1989.
viii, 264 p. : ill. ; 25 cm.
ISBN 0-465-06358-6

1. Privatization. 2. Privatization--Case studies. 3. Privatization--United States--Case studies. 4. Privatization--Great Britain--Case studies.

20014510 TLBAsc 89-42511

PRIVATIZATION--NORTH AMERICA.

HD
3865
.A3
U54
1995

United States. General Accounting Office.
Budget issues : privatization/divestiture practices in other nations : report to the Honorable Scott Klug, House of Representatives / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
32 p. ; 28 cm.
1. Privatization--North America. 2. Privatization--Europe. 3. Privatization--New Zealand. 4. Government ownership--United States. 5. Government business enterprises --United Stat es.

33979461 TLBAsc

RADAR IN SPEED LIMIT ENFORCEMENT--UNITED STATES.

HE
131
.T687sy
no.219

Blackburn, R. R. (Robert R.)
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67 p. : ill. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 219)
ISBN 0-309-05860-0

1. Radar in speed limit enforcement--United States. 2. Traffic regulations --United States.

34688389 TLBAsc 95-61388

RAILROAD ACCIDENTS--UNITED STATES.

HE
1780
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1995

United States. General Accounting Office.
Railroad safety : status of efforts to improve railroad crossing safety : report to Congressional requesters / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
58 p. : ill., map ; 28 cm.

1. Railroad accidents--United States. 2. Railroads--United States--Crossings--Safety measures. 3. United States. Dept. of Transportation.

33023895 TLBAsc 95-216835

RAILROADS--UNITED STATES--PLANNING.

HE
131
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Railroad transportation research. -- Washington, D.C. : National Academy Press, 1995.
v, 75 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1489)
ISBN 0-309-06155-5

1. Railroads--United States--Planning. 2. Railroads--Research--United States. 3. High speed trains--Environmental aspects--Europe.

33932911 TLBAsc

RAILROADS--UNITED STATES--TRACK.

TF
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Joint trackwork-electrical design guidelines : September, 1980 / produced by APTA Office of Technical & Research Services. -- Washington, D.C. : American Public Transit Association, [1980?]
1 v. (various foliations) : ill. ; 28 cm.

1. Railroads--United States--Track. 2. Railroads--Electric equipment--United States.

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Bernold, Leonhard E.
Automation in applying reflective pavement markers / by: Leonhard E. Bernold and Rami A. Rihani. -- Raleigh, NC : Center for Transportation Engineering Studies, Dept. of Civil Engineering, North Carolina State University, [1995]
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STRN: FHWA/NC/95-005

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51 p. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 448)
1. Road construction contracts--United States--Congresses. 2. Minority business enterprises--United States--Congresses. 3. Women-owned business enterprises--United States--Congresses.

34132198 TLBAsc

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Improved communication of a left exit lane drop using pavement markings / by Kay Fitzpatrick, Marty Lance, and Thomas Urbanik II ; sponsored by the Texas State Department of Transportation in cooperation with U.S. Department of Transportation, Federal Highway Administration. -- College Station, Tex. : Texas Transportation Institute, Texas A&M University System ; Springfield, Va. : Available through the National Technical Information Service, [1994]
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STRN: FHWA/ TX-94/1232-27

32302797 TLBAsc SEE NEXT CRD

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Wells, Dixie I.
An assessment of the construction advertisement date process within the Virginia Department of Transportation / Dixie I. Wells, Amy A. O'Leary, James S. Gillespie. -- Charlottesville : Virginia Transportation Research Council, [1996]
iii, 27 p. ; 28 cm. -- (VTRC ; 96-R15)

1. Road construction contracts--Virginia. 2. Roads--Virginia--Design and construction. 3. Roads--Virginia--Maintenance and repair.

34235457 TLBAsc

ROAD MATERIALS--RECYCLING.

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Brogan, James D. (James Denis)
A manual of good practice for recycling/reuse of highway construction materials / by James D. Brogan. -- Santa Fe : New Mexico State Highway and Transportation Dept. ; [Springfield, Va. : Available through National Technical Information Service, 1996]
ii, 52 p. : ill. ; 28 cm.

1. Road materials--Recycling. 2. Road materials--Recycling--New Mexico. 3. Pavements--Recycling. 4. Pavements--New Mexico--Recycling.

34341164 TLBAsc

ROAD DRAINAGE--ILLINOIS--EVALUATION.

TE
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DuBose, James B.
An evaluation of IDOT's current underdrain systems : final report / by James B. Dubose. -- Springfield, Ill. : Illinois Dept. of Transportation, Bureau of Materials and Physical Research ; [Springfield, Va. : Available from the National Technical Information Service, 1995]
vi, 34 p. : ill. (some col.) ; 28 cm. -- (Physical research report ; no. 120)
STRN: IL PRR-120

1. Road drainage--Illinois--Evaluation. 2. Silt. 3. Pipe, Plastic.

34104059 TLBAsc

ROADS--DESIGN AND CONSTRUCTION.

HE
131
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no.1500

Geometric design, roadside safety features, roadside hardware monitoring and scenic loop tours. -- Washington, D.C. : National Academy Press 1995.
vii, 201 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1500)
ISBN 0-309-06157-1

1. Roads--Design and construction. 2. Roads--Guard fences. 3. Roads--Safety measures. 4. Electronic traffic controls.

34080346 TLBAsc

ROADS--DESIGN AND CONSTRUCTION.

HE
131
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Safety effects of roadway design decisions. -- Washington, D.C. : National Academy Press, 1995.
v, 80 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; 1512)
ISBN 0-309-06171-7

1. Roads--Design and construction. 2. Roads--Safety measures.

33950801 TLBAec

ROADS--DESIGN AND CONSTRUCTION.

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Burrington, Stephen H.
Take back your streets : how to protect communities from asphalt and traffic / [Stephen H. Burrington & Veronika Thiebach]. -- 2nd ed. -- Boston, Mass. : Conservation Law Foundation, 1995.
53 p. : ill. ; 28 cm.

1. Roads--Design and construction. 2. Traffic engineering. 3. Highway planning.

34082462 TLBAec

ROADS--DESIGN AND CONSTRUCTION--STANDARDS--UNITED STATES.

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20 p. : ill., map ; 28 cm.
1. Roads--Design and construction--Standards--United States. 2. Roadside improvement--Standards--United States. 3. Landscape--United States.

33248507 TLBAec

ROADS--ECONOMIC ASPECTS--UNITED STATES.

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Aschauer, David Alan.
Transportation spending and economic growth : the effects of transit and highway expenditures / prepared by David Alan Aschauer. -- [Washington, D.C.] : American Public Transit Association, [1991]
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1. Roads--Economic aspects--United States. 2. Roads--United States--Finance. 3. Local transit--United States--Finance.

24516858 TLBAec

ROADS--MAINTENANCE AND REPAIR.

HE
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Geoffroy, Donald N.
Cost-effective preventive pavement maintenance / Donald N. Geoffroy. -- Washington, D.C. : National Academy Press, 1996.
103 p. : ill. ; 28 cm. -- (Synthesis of highway practice ; 223)
ISBN 0-309-05864-3

1. Roads--Maintenance and repair. 2. Pavements--Maintenance and repair.

34530562 TLBAec

ROADS--MAINTENANCE AND REPAIR.

HE
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Maintenance management and safety. -- Washington, D.C. : National Academy Press, 1995.
v, 81 p. : ill. ; 28 cm. -- (Transportation research record ; no. 1509)
ISBN 0-309-06205-5

1. Roads--Maintenance and repair. 2. Pavements--Maintenance and repair. 3. Roads--Safety measures.

33996977 TLBAec

ROADS--MAINTENANCE AND REPAIR--ECONOMIC ASPECTS.

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Harvey, Thomas N.
Assessing the effects of highway-widening improvements on urban and suburban areas / Thomas N. Harvey. -- Washington, D.C. : National Academy Press, 1996.
43 p. ; 28 cm. -- (Synthesis of highway practice, ISSN 0547-5570 ; 221)
ISBN 0-309-05865-1

1. Roads--Maintenance and repair--Economic aspects. 2. Roads--Maintenance and repair--Social aspects. 3. Highway planning.

34492493 TLBAec 95-61874

ROADS--RIGHT OF WAY--MULTIPLE USE.

HE
131
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no.224

Williams, Ronald L.
Longitudinal occupancy of controlled access right-of-way by utilities / Ronald L. Williams. -- Washington, D.C. : National Academy Press, 1996.
39 p. : charts, forms ; 28 cm. -- (Synthesis of highway practice / National Cooperative Highway Program, ISSN 0547-5570 ; 224)
ISBN 0-309-05867-8

1. Roads--Right of way--Multiple use. 2. Public utilities--Right of way.

34751665 TLBAec 95-62183

ROADS--SAFETY MEASURES.

HE
131
.T687c
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International crash test standards for roadside safety features. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1995]
30 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 451)

1. Roads--Safety measures. 2. Roads --Guard fences. 3. Roads--Crash cushions.

34149033 TLBAsc

ROADS--SAFETY MEASURES.

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Roadside safety issues revisited. -- [Washington, D.C.] : Transportation Research Board, National Research Council, [1996]
30 p. : ill. ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 453)

1. Roads--Safety measures. 2. Roads --Guard fences. 3. Roads--Crash cushions. 4. Traffic safety.

34492491 TLBAsc

ROADS--SAFETY MEASURES--GOVERNMENT POLICY--UNITED STATES.

HE
131
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no.452

Safety management system : a national status. -- Washington, D.C. : Transportation Research Board, National Research Council, [1996]
63 p. : ill., forms ; 28 cm. -- (Transportation research circular, ISSN 0097-8515 ; no. 452)

1. Roads--Safety measures--Government policy--United States. 2. Traffic safety--United States--Management.

34751698 TLBAsc

ROADS--UNITED STATES--PERIODICALS.

HE
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Status of the nation's surface transportation system : condition and performance : report to Congress / U.S. Dept. of Transportation, Federal Highway Administration, Federal Transit Administration, Maritime Administration. -- 1995- . -- Washington, D.C. : The Dept., 1995-

v. : ill. ; 28 cm.
Biennial.
Continues: Status of the nation's highways, bridges, and transit.
1. Roads--United States--Periodicals. 2. Bridges--United States--Periodicals. 3. Local transit--United States--Perio dicals. 4. Waterways --United Stat es--Periodicals.

34503674 TLBAsc

RURAL TRANSIT--UNITED STATES--MANAGEMENT.

HE
131
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Burkhardt, Jon E.
Users' manual for assessing service-delivery systems for rural passenger transportation / Jon E. Burkhardt, Beth Hamby and Adam I. McGavock (Ecosometrics, Incorporated). -- Washington, D.C. : National Academy Press, 1995.
1 v. (various pagings) : ill. ; 28 cm. -- (TCRP report, ISSN 1073-4872 ; 6)
ISBN 0-309-05709-4
1. Rural transit--United States--Management. 2. Rural transit--United States--Planning. 3. Rural trans--United States--Finance. 4. Rural transit--Unit ed Sta--handbooks, manuals, etc.

34[illegible]9730 TLBAsc 95-62098

SETTLEMENT OF STRUCTURES.

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1995

Lutenegger, A. J.
Settlement of shallow foundations on granular soils / Alan J. Lutenegger ; Don J.DeGroot. -- Amherst, Mass. : University of Massachusetts Transportation Center, 1995.
2 v. : ill., charts ; 28 cm.

1. Settlement of structures. 2. Foundations. 3. Soil mechanics.

34900296 TLBAsc

SHIPMENT OF GOODS.

HE
131
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no.1511

Issues in marine, intermodal and motor carrier transportation. -- Washington, D.C. : National Academy Press, 1995.
v, 46 p. : maps, charts ; 28 cm. -- (Transportation research record ; no. 1511)
ISBN 0-309-06204-7

1. Shipment of goods. 2. Optimum ship routing. 3. Containerization. 4. Intelligent Vehicles Highway Systems.

33932913 TLBAsc

SOIL MECHANICS.

HE
131
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no.378

Recommended guidelines for sealing geotechnical exploratory holes / Alan J. Lutenegger ... [et al.]. -- Washington, D.C. : National Academy Press, 1995.
52 p. : ill. ; 28 cm. -- (Report / National Highway Cooperative Research Program, ISSN 0077-5614 ; 378)
ISBN 0-309-05707-8

1. Soil mechanics. 2. Excavation. 3. Earthwork. 4. Sealing compounds.

34224397 TLBAsc 95-62216

STREET-RAILROADS--UNITED STATES--COSTS.

HE
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T72
1995

Laver, Richard S.
The transit capital cost price index study / [Richard S. Laver and Donald C. Schneck]. -- [Washington, D.C.] : Federal Transit Administration, Office of Planning ; [Springfield, Va. : Available through the National Technical Information Service, 1995]
1 v. (various pagings) : charts ; 28 cm.
STRN: MD-90-7001-01

1. Street-railroads--United States--Finance. 2. Street-railroads--United States--Costs. 3. Subways--United States--Costs. 4. Capital costs.

33383781 TLBAsc

TRAFFIC ASSIGNMENT--MATHEMATICAL MODELS.

HE
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Activity-based modeling system for travel demand forecasting : final report / prepared by RDC, Inc. ; prepared for Metropolitan Washington Council of Governments. -- Washington, D.C. : Federal Transit Administration : Distributed in cooperation with Technology Sharing Program, [1995]
1 v. (various pagings) ; 28 cm.

1. Traffic assignment--Mathematical models. 2. Traffic estimation--Mathematical models. 3. Trip generation--Mathematical models.

34570435 TLBAsc

SUBWAYS--MANAGEMENT.

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Pierce, Judith T.
System-specific spare rail vehicle ratios / Judith T. Pierce. -- Washington, D.C. : Transportation Research Board, National Academy Press, 1995.
43 p. ; 28 cm. -- (Synthesis of transit practice, ISSN 1073-4880 ; 15)
ISBN 0-309-05869-4

1. Subways--Management. 2. Electric railroads--Cars--Maintenance and repair. 3. Scheduling (Management)

34106971 TLBAsc 95-62270r96

TRAFFIC CONGESTION--WASHINGTON (STATE)--PUBLIC OPINION.

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Ulberg, Cyrus G.
An evaluation of public opinion about congestion pricing and tolls / by Cy Ulberg, Gordon MacFarland. -- [Olympia, Wash.] : Washington State Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1995]
xiv, 51 p.; 28 cm.
STRN: WA-RD 377.1

1. Traffic congestion--Washington (State)--Public opinion. 2. Toll roads--Washington (State)--Public opinion. 3. Congestion pricing--Washington (State)--Public opinion.

34132207 TLBAsc

TELECOMMUNICATION--UNITED STATES.

HE
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1995

Anderson, John H.
Telecommunications : competition in the mobile communications industry : statement of John H. Anderson, Jr., Director, Transportation and Telecommunications Issues, Resources, Community and Economic Development Division, before House Committee on Commerce, Subcommittee on Oversight and Investigations / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
10, [2] p. ; 28 cm. -- (Testimony ; GAO/T-RCED-96-20)

33374888 TLBAsc SEE NEXT CRD

TRAFFIC FLOW--MATHEMATICAL MODELS.

HE
131
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Traffic flow theory and characteristics with applications for intelligent transportation system technologies. -- Washington, D.C. : National Academy Press, 1995.
v, 75 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1510)
ISBN 0-309-06203-9

1. Traffic flow--Mathematical models. 2. Traffic estimation--Mathematical models. 3. Intelligent Vehicle Highway Systems.

34143034 TLBAsc

TERMINALS (TRANSPORTATION)--PLANNING--HANDBOOKS, MANUALS, ETC.

TA
1225
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W67
1995

Goble, Robert T.
Workshop manual : planning intermodal and operations facilities for rural and small urban transit systems : 12th national conference : rural public and intercity bus transportation : Des Moines, Iowa, October 22-25, 1995. -- [Washington, D.C.] : Dept. of Transportation ; [Distributed in cooperation with Technology Sharing Program, U.S. Dept. of Transportation, 1995]
1 v. (various pagings) : ill. ; 28 cm. -- (Technology sharing reprint series)

34509279 TLBAsc SEE NEXT CRD

TRAFFIC SAFETY.

HE
131
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Human performance and safety in highway, traffic, and ITS systems. -- Washington, D.C. : National Academy Press, 1995.
vii, 191 p. : ill. ; 28 cm. -- (Transportation research record, ISSN 0361-1981 ; no. 1485)
ISBN 0-309-06122-9

1. Traffic safety. 2. Highway communications. 3. Automobile driving. 4. Automobile drivers. 5. Intelligent Vehicle Highway Systems.

33941653 TLBAsc

TRAFFIC SURVEYS.

HE
131
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Statewide travel surveys, traffic data collection and urban travel patterns. -- Washington, D.C. : National Academy Press, 1995.
72 p. : ill. ; 28 cm. --
(Transportation research record, ISSN 0361-1981 ; no. 1477)
ISBN 0-309-06108-3

1. Traffic surveys. 2. Traffic estimation.

33465705 TLBAsc

TRANSPORTATION--PLANNING.

HE
131
.T687c
no.450

Institutional aspects of metropolitan transportation planning. --
Washington, D.C. : The Board, ; 1995.
62 p. : ill. ; 28 cm. --
(Transportation research circular ; no. 450)

1. Transportation--Planning.

34136593 TLBAsc

TRANSPORTATION--UNITED STATES--FINANCE.

HE
131
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Reno, A. T. (Arlee T.)
Alternatives to motor fuel taxes for financing surface transportation improvements / Arlee T. Reno and Joseph E. Stowers. -- Washington, D.C. : National Academy Press, 1995.
158 p. : ill. ; 28 cm. -- (NCHRP report, ISSN 0077-5614 ; 377)
ISBN 0-309-05706-X

1. Transportation--United States--Finance. 2. Transportation, Automotive--Taxation--United States. 3. Motor fuels--Taxation--United States.

34694850 TLBAsc 95-62215

TRANSPORTATION--UNITED STATES--PLANNING.

HE
131
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no.200

Lewis, David.
Objectives and decision criteria for infrastructure investment / prepared by David Lewis. -- Washington, D.C. : Transportation Research Board, National Research Council, [1994]
15 p. ; 28 cm. -- (Research results digest ; 200)

1. Transportation--United States--Planning. 2. Transportation--United States--Finance. 3. Infrastructure (Economics)--United States.

32379535 TLBAsc

TRANSPORTATION--UNITED STATES--PLANNING.

HE
131
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Transportation planning, management systems, public participation and land use modeling. -- Washington, D.C. : National Academy Press, 1995.
v, 104 p. : ill. ; 28 cm. --
(Transportation research record ; no. 1499)
ISBN 0-309-06158-X

1. Transportation--United States--Planning. 2. Transportation--United States--Planning--Citizen participation. 3. Land use--United States--Planning. 4. Land use--United States--Planning--Citizen participation. 5. Infrastructure (Economics)

33932916 TLBAsc

TROLLEY BUSES--UNITED STATES--WIRES AND WIRING.

HE
131
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Kulpa, John S.
Reducing the visual impact of overhead contact systems / John S. Kulpa and Authur D. Schwartz with Skidmore, Owings, and Merrill. -- Washington, D.C. : National Academy Press, 1995.
89 p. : ill. ; 28 cm. -- (TCRP report, ISSN 1073-4872 ; 7)
ISBN 0-309-05710-8

1. Trolley buses--United States--Wires and wiring. 2. Street-railroads--United States--Wires and wiring. 3. Overhead electric lines.

34464655 TLBAsc

UNDERGROUND PIPELINES--DESIGN AND CONSTRUCTION.

HE
131
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Design and performance of underground pipe. -- Washington, D.C. : National Academy Press, 1995.
v, 92 p. : ill. ; 28 cm. --
(Transportation research record, ISSN 0361-1981 ; no. 1514)
ISBN 0-309-06202-0

1. Underground pipelines--Design and construction. 2. Underground pipelines--Maintenance and repair.

34143037 TLBAsc

URBAN TRANSPORTATION--UNITED STATES--MANAGEMENT.

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308
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Capelle, Russell B.
Planning and managing intermodal transportation systems : a guide to ISTEA requirements : final report / prepared by Russell B. Capelle, Jr. -- Washington, D.C. : Federal Highway Administration, Office of Environment and Planning : Distributed in cooperation with the Technology Sharing Program, [1994]
vi, 100 p. : ill. ; 28 cm.

32610612 TLBAsc SEE NEXT CARD

VOL. 144, NO. 26

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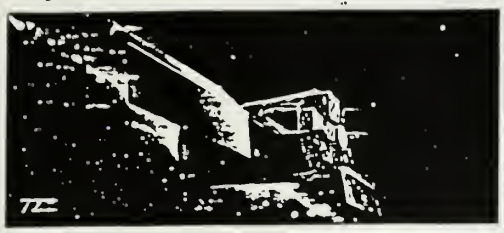

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Behind the Scenes

Washington-based Senior Military Editor David A. Fulghum (right) is briefed before a recent Green Flag flight at Nellis AFB, Nev., on the RC-135 V/W Rivet Joint surveillance aircraft by Chief MSgt. Thomas Wheeler (left), an intelligence specialist, and Capt. William Tart (center), an Air Force Weapons School student who flew as the head electronic warfare officer. Fulghum's seven-story flight report begins on p. 52.

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COMPUTERWORLD JOURNAL

cover story

new age, old architecture

By Elisabeth Horwitt

20 Have you felt the earth move lately? Or was it just the much-hyped intranet model of computing overtaking your just-baked client/server architecture? Certainly there's lots of appeal to using Web browsers and servers and Internet-based protocols to develop applications, primarily in terms of cost savings. And it's true that the intranet is to some extent just an overlay on existing platforms. However, analysts expect expenses and complexity to explode as companies add things such as security, transaction management, capacity planning and trouble-shooting. And the real challenge is the intranet's potential for changing the rules of how end-user systems are designed, deployed and supported. Still, organizations such as National Semiconductor and the American Heart Association are forging ahead.

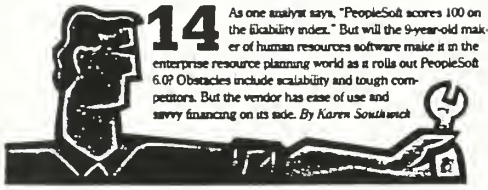
Wanted: 'Net Infrastructure

By Judith Hurwitz

27 Our regular columnist provides guidance on three of the toughest Internet Age questions: How can you judge which new Internet-enabled product to buy? How should your company leverage the Internet? How should your organization determine the best Internet strategy?

ENTERPRISE RESOURCE PLANNING

Is PeopleSoft Tough Enough?



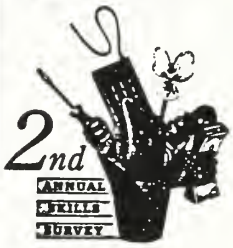
14 As one analyst says, "PeopleSoft scores 100 on the likability index." But will the 9-year-old maker of human resources software make it in the enterprise resource planning world as it rolls out PeopleSoft 6.0? Obstacles include scalability and tough competitors. But the vendor has ease of use and savvy financing on its side. *By Karen Southwick*

JUNE 1996

CAREERS

The Rise Of The Generalist Guru

28 A year ago, Eric Schrager was an intern writing Cobol code. Last month, he took off for London to head up a new client/server data archiving project. What put him on the fast track? "I realized I could build a career by being the first to learn new skills and spread them to other people," he says. IS professionals like Schrager — people who can constantly adapt to new technologies and use them to create seamless business solutions — are in high demand. *By Lesley Goff*



2nd Annual Skills Survey

29 Through interviews with 200 IS managers, we determined which clusters of skills were most crucial for completing the most important systems projects — and the premiums being paid for those skills.

COVER PHOTOGRAPH BY ERIC PEARLE

INTEGRATION COSTS

Fixed Price: Fixed Promise?

34 Mark Boyle thought he was doing everything right when he signed on for a fixed-price development project. Instead, he lost nine months and $100,000. Though still a proponent of fixed-price models, Boyle learned some valuable lessons about which projects are best geared for fixed-price and which for time-and-materials contracts. *By Tom Duffy*

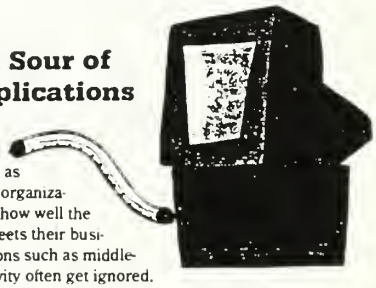
EXTENDED ENTERPRISE: *Demand-Chain Management*

Right Product, Right Place, Right Time

38 Nobody wants to end up like the manufacturer of microwave tubes that shut down for a day because it ran out of a $25 bag of sand. That's why companies such as Lexmark International are spending tens of millions of dollars to get their logistics systems right. A key component is anticipating customer demand, which depends on good POS data, clean shipping histories and sales input. *By Rochelle Garner*

TECH TUTORIAL

The Suite And Sour of Enterprise Applications



42 When choosing among systems such as Baan, Oracle and SAP, most organizations rightly concentrate on how well the applications' functionality meets their business needs. But considerations such as middleware and database connectivity often get ignored, resulting in gut-wrenching infrastructure upheavals. Here's the straight scoop on the most important technology issues for three of the most popular application suites. *By Joshua Greenbaum*

GIS WORLD
VOL 9 NO 5 The World's Leading Geographic Information Systems Publication MAY 1996

VER HIGHLIGHT

uter-aided design (CAD) and GIS technologies
ed independently, but now their paths are intertwin-
ading to the impending development of the next-
ation GIS. For CAD developers, this transition
ses to lead to new markets and broader reach within
ng markets. Meanwhile, GIS developers are scram-
to adjust to a market that's shifting away from high-
orkstation-based systems to low-cost, PC solutions. It
e up to users to decide if any of them live up their
ses and warrant broad acceptance in the marketplace.
to page 36 for an overview of the companies and prod-
t the forefront of the integration movement.

TURES

0 The National Oceanic and Atmospheric
e Sensing Center plays a key role in
viding snowpack data to a wide
variety of users.

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Management Programs
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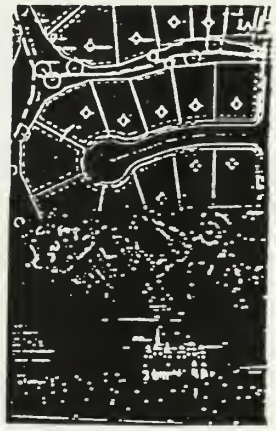
48 Multitiered GIS Market Targets Consumers
By Laura Lang

52 A/E/C Systems '96 Highlights GIS
By Jeff Specht

Page 48 GIS is invading the mass market with low-price, ea
use CD-ROM products for "anyone consumers."

GIS WORLD
VOL 9 NO. 6 The World's Leading Geographic Information Systems Publication JUNE 1996

COVER HIGHLIGHT



The Urban and Regional Information Systems Association (URISA) has helped maintain a skilled GIS industry labor pool for several years through its educational programs. These activities and others, such as URISA's annual conference, have demonstrated to private sector and government officials that the use of GIS and related technologies can increase productivity while lowering costs.

This year, URISA will hold its annual conference in Salt Lake City from July 27 through Aug. 1. The program is packed with educational sessions, covering topics ranging from new technologies, such as high-resolution satellite imagery, to perennial issues, such as how best to build address files. For a complete conference overview, see page 46.

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By Elaine M. Whitehead and Tegan Parodi

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By David K. Nale and Jolyon D. Thurg

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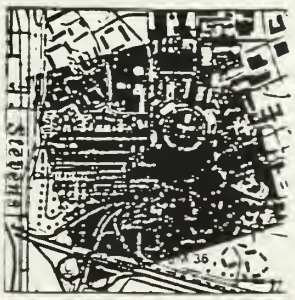
By Don Anderson, Mark Ledbetter and Dan Tepovich

Page 54 Milwaukee residents are improving their neighborhoods using GIS.



Page 58 GIS users may find digital orthophotography
a valuable tool when developing accurate landbase da

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MassTransit

MAY / JUNE

INTERMODAL SYSTEMS
It's not only airports that are connecting up to other transit modes — intermodalism is finally coming of age in major urban centers like San Francisco and New York City, where the new intermodal stations and rail extensions covered in this issue are forging much-needed links to bypass highway congestion. But such advanced intermodal airports as De Gaulle in Paris (and others on both sides of the Atlantic) show the way to intermodalism's future — with the superb design of their facilities that will painlessly accommodate the people loads of the future.

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22 *Airports Push for Better Access*
How advanced airports on both sides of the Atlantic tackle the problems of intermodal passenger access.

RAIL STATISTICS
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ON THE COVER
De Gaulle airport, France's masterpiece of intermodal airport design, now connects with the high-speed TGV to shorten travel times across the country. (Photo courtesy Railwatch/John Davison)

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EVALUATION.

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Characterization of asphalt cements modified with crumbed rubber from discarded tires / by William H. Daly, Ioan I. Negulescu. -- [Baton Rouge] : Louisiana Transportation Research Center, [1994]
x, 53 p. : ill. ; 28 cm.
STRN: FHWA/LA-95/291

1. Asphalt cement--Additives--Evaluation. 2. Tires, Rubber--Recycling. 3. Waste products as road materials. 4. Asphalt-rubber.

34508207 TLBAsc

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Sadalla, Edward K.
Investigate the effects of driving stress on health : final report / prepared by Edward K. Sadalla. -- Phoenix, Ariz. : Arizona Dept. of Transportation, [1995]
vi, 73 p. : ill. ; 28 cm.
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1. Automobile driving--Psychological aspects. 2. Automobile drivers--Health and hygiene. 3. Stress (Psychology)

34923395 TLBAsc

BRIDGES, CONCRETE--FLOORS--
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TG
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Lohrey, Eric C.
Use of hydrodemolition to remove deteriorated concrete from bridge decks / prepared by Eric C. Lohrey. -- Rocky Hill, CT : Connecticut Dept. of Transportation, [Office of Research and Materials ; Springfield, VA : Available through the National Technical Information Service, 1996]
v, 19 leaves : ill. ; 28 cm.
STRN: FHWA-CT-RD-1084-F-96-1

1. Bridges, Concrete--Floors--Maintenance and repair. 2. Reinforced concrete--Corrosion. 3. Pavements, Concrete--Maintenance and repair.

34993947 TLBAsc

BRIDGES, IRON AND STEEL--DESIGN AND
CONSTRUCTION.

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Concrete dead load deflections of continuous steel girder composite bridges / Hani Melhem ... [et al.]. -- [Topeka, Kan.] : Kansas Dept. of Transportation, [1996]
vii, 75a p. : col. ill. ; 28 cm.
STRN: K-TRAN: KSU 95-6

1. Bridges, Iron and steel--Design and construction. 2. Bridges, Iron and steel--Testing. 3. Dead loads (Mechanics). 4. Composite construction--Testing.

34830453 TLBAsc

BUS LINES--UNITED STATES.

HE
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Rosenbloom, Sandra.
Service routes, route deviation, and general public paratransit in urban, suburban, and rural transit systems / Sandra Rosenbloom. -- [Washington, D.C.] : Federal Transit Administration, [1996]
90 leaves in various foliations : ill. ; 28 cm.
1. Bus lines--United States. 2. Bus lines--Canada. 3. Local transit--United States. 4. Local transit--Canada. 5. Paratransit services--United States. 6. Paratransit services--Canada. 7. Physically handicapped--Transportation. 8. Scheduling (M anagement) 9. Rural transit.

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BUSES--AUTOMATIC LOCATION SYTSTEMS.

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Dailey, Daniel J.
Automatic transit location system / by Daniel J. Dailey ... [et al.]. -- Olympia, Wash. : Washington State Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1996]
49 p. : ill. ; 28 cm.
STRN: WA-RD 394.1

1. Buses--Automatic location sytstems. 2. Bus lines--Washington (State)--King County--Information services.

34787597 TLBAsc

CIVIL ENGINEERING--FRANCE.

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Picon, Antoine.
L'ingenieur artiste : dessins anciens de l'Ecole des ponts et chaussees / Antoine Picon, Michel Yvon. -- Paris : Presses de l'Ecole des ponts et chaussees, c1989.
206 p. : col. ill. ; 37 cm.
ISBN 2-85978-128-5

1. Engineering drawings. 2. Civil engineering--France.

21105197 TLBAsc 91-100478

COMMUTING--UNITED STATES.

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Access to opportunity : a study of reverse commute programs / written by American Public Transit Association ; with a grant from the Ford Foundation. -- [Washington, D.C.] : American Public Transit Association, [1993]
i, 55 p. ; 28 cm.

1. Commuting--United States. 2. Suburbs--United States. 3. Local transit--United States.

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Roosevelt, Daniel S.
More in four? : an evaluation of the four-day work week in a VDOT residency / Daniel S. Roosevelt. -- Charlottesville, Va. : Virginia Transportation Research Council, [1996]
iii, 48 p. ; 28 cm. -- (VTRC ; 96-R36)

1. Compressed workweek--Virginia--Evaluation. 2. Virginia. Dept. of Transportation--Personnel management.

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CULVERTS--DESIGN AND CONSTRUCTION.

TE
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Mathioudakis, Michael.
Re-evaluation of design procedures for non-bridge-size culverts / Michael Mathioudakis, Amita Agarwal. -- Albany, N.Y. : Engineering Research and Development Bureau, New York State Dept. of Transportation, [1996]
v, 30 p. ; 28 cm. -- (Client report / New York State Dept. of Transportation, Engineering Research and Development Bureau ; 74)

1. Culverts--Design and construction. 2. Culverts--New York (State)--Design and construction.

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GLOBAL POSITIONING SYSTEM.

TA
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Use of GPS to enhance mapping by photogrammetry / by Robert Feeney ... [et al.]. -- West Lafayette, Ind. : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1996]
89 p. in various pagings : ill. ; 28 cm.
STRN: FHWA/IN/JHRP-95/6

1. Global Positioning System. 2. Photogrammetry. 3. Cartography.

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GOVERNMENT CONTRACTORS--UNITED STATES--AUDITING.

HD
4903.5
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1995

United States. General Accounting Office.
Worker protection : federal contractors and violations of labor law : report to the Honorable Paul Simon, U.S. Senate / United States General Accounting Office. -- Washington, D.C. : The Office ; Gaithersburg, MD (P.O. Box 6015, Gaithersburg 20884-6015) : The Office [distributor, 1995]
89 p. : ill. ; 28 cm.

1. Government contractors--United States--Auditing. 2. United States. National Labor Relations Act.

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GRAND CANAL (VENICE, ITALY)

Oversize
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1121
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1990

Talamini, Tito.
Il Canal Grande : il rilievo / Tito Talamini ; foreword by Paolo Ceccarelli ; introduction by Romeo Ballardini. -- [Bologna] : A. Forni, [1990].
2 v. : ill. (some col.), plans ; 34 cm. + 2 leaves of plates (60 x 85 cm. folded to 30 x 21 cm.).

1. Grand Canal (Venice, Italy) 2. Venice (Italy)--Buildings, structures, etc.--Designs and plans. 3. Architecture--Italy--Venice--Designs and plans.

30131852 TLBAsc

HERBICIDES--TOXICOLOGY.

SB
951.4
.A22
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Abdelhani, A.A.
Assessment of the exposure of workers applying herbicide mixtures (2, 4-D+Roundup, Garlon-3A+Roundup), toxicity and fate of these mixtures in the environment : (summary report) / A.A. Abdelghani. -- Baton Rouge, La. : Louisiana Transportation Research Center, 1995.
xi, 55 p. : charts ; 28 cm.

1. Herbicides--Toxicology.

34844056 TLBAsc

HIGH OCCUPANCY VEHICLE LANES--UNITED STATES--DESIGN AND CONSTRUCTION--COSTS.

HE
4351
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Fixed guideway capital costs : heavy rail and busway/HOV lane / prepared by Booz Allen & Hamilton, Inc. -- Washington, DC : Federal Transit Administration ; [Springfield, Va. : Available through the National Technical Information Service, 1994]
i v. (various pagings) ; 28 cm.
STRN: FTA-MD-26-0001-94-1
1. Bus lanes--United States--Design and construction--Costs. 2. High occupancy vehicle lanes--United States--Design and construction--Costs. 3. Subways--United States--Design and construction--Costs. 4. Capital costs. 5. Local transit--United States--Costs. 6. Local transit--Costs.

34972683 TLBAsc

HIGHWAY COMMUNICATIONS--PSYCHOLOGICAL ASPECTS.

TL
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Stackhouse, Stirling P.
Human factors evaluation of driver multitasking and Genesis message formats : final report / Stirling P. Stackhouse, Max Burrus. -- St. Paul, Minn. : Minnesota Dept. of Transportation, Office of Research Administration, [1996]
60 p. in various pagings : ill. ; 28 cm.
STRN: MN/RC-96/13

1. Highway communications--Psychological aspects. 2. Automobile drivers--Psychology. 3. Automobiles--Instruments--Display systems.

35038111 TLBAsc

INTELLIGENT VEHICLE HIGHWAY SYSTEMS--MONTANA.

IE
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Kwapy, Patrick.
The status and applicability of intelligent transportation systems in Montana / prepared by Patrick Kwapy. -- [Bozeman] : Montana State University, Civil Engineering Dept., Western Transportation Institute ; [Springfield, VA : Available through the National Technical Information Service, 1996]
xi, 64 p. : ill. ; 28 cm.
STRN: FHWA/MT-96/8124
1. Intelligent Vehicle Highway Systems--Montana. 2. Highway communications--Montana. 3. Roads--Montana--Safety measures.

35033053 TLBAsc

LANDSLIDE HAZARD ANALYSIS.

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Landslides : investigation and mitigation / A. Keith Turner, Robert L. Schuster, editors. -- Washington, DC : National Academy Press, 1996.
x, 673 p. : ill, maps ; 28 cm. -- (Special report / Transportation Research Board, National Research Council ; 247)
ISBN 0-309-06151-2

1. Landslide hazard analysis. 2. Landslides.

33102185 TLBAsc 95-40780

LOCAL TRANSIT--INFORMATION SERVICES.

HE
4311
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Review and assessment of en-route transit information systems / prepared by EG&G Dynatrend ; prepared for U.S. Department of Transportation, Volpe National Transportation Systems Center ; sponsored by Office of Mobility Innovation, Federal Transit Administration. -- Washington, D.C. : Federal Transit Administration : Distributed in cooperation with Technology Sharing Program, [1995]
1 v. (various pagings) : ill. ; 28 cm.
STRN: DOT-T-96-03
1. Local transit--Information services. 2. Bus lines--Communication systems. 3. Information display systems.

34885447 TLBAsc

LOCAL TRANSIT STATIONS--UNITED STATES.

TA
1225
.M35
1995

Making the connection : intermodal passenger transportation facilities / APTA. -- Washington, DC : American Public Transit Association, 1995.
[16] p. : col. ill. ; 28 cm.

1. Intermodal Surface Transportation Efficiency Act of 1991 2. Terminals (Transportation)--United States. 3. Local transit stations--United States. 4. Urban transportation--United States.

32844339 TLBAsc

LOCAL TRANSIT--UNITED STATES--CUSTOMER SERVICES.

Oversize
HE
4211
.A43
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American Public Transit Association.
Serving the customer : a solutions sourcebook / American Public Transit Association. -- [Washington, DC : American Public Transit Association, 1995-
v. (loose-leaf) : 30 cm.

1. NJ Transit 2. Local transit--United States--Customer services. 3. Local transit--Customer services.

32072410 TLBAsc

LOCAL TRANSIT--UNITED STATES--PLANNING--CITIZEN PARTICIPATION.

HE
148
.L62
1995

Local organizing kit / APTA. -- 4th ed. -- Washington, DC : American Public Transit Association, [1995].
135 p. : ill ; 28 cm.

1. Urban transportation policy--United States--Citizen participation. 2. Urban transportation policy--Citizen participation. 3. Transportation and state--United States. 4. Public relations--Local transit--United States. 5. Local transit--Planning--Citizen participation 6. Local transit--United States--Planning--Citizen participation.

TLBAsc

MARINE ACCIDENTS--INVESTIGATION--UNITED STATES.

VK
1270
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1995

Byers, James C.
U.S. Coast Guard marine casualty investigation and reporting : analysis and recommendations for improvement / James C. Byers, Susan G. Hill (Human Factors & Systems Analysis Unit, Idaho National Engineering Laboratory) and Anita M. Rothblum (U.S. Coast Guard Research and Development Center). -- Washington, D.C. : U.S. Coast Guard, Office of Engineering, Logistics, and Development ; Springfield, Va. : Available through the National Technical Information Service, [1995]
ca. 150 p. in various pagings ; 28 cm.
STRN: CG-D- 13-95

33861147 TLBAsc SEE NEXT CRD

METRIC SYSTEM.

QC
92
.U54
M42
1995

Metrication guide / Massachusetts Highway Department. -- [Boston, Mass.] : Massachusetts Highway Dept., 1995.
1 v. in various pagings : ill. ; 28 cm.
Other title: Massachusetts Highway Department metrication guide.

1. Metric system.

TLBAsc

NOISE BARRIERS--DESIGN AND CONSTRUCTION.

TD
882
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1986

Cohn, Louis F. (Louis Franklin), 1948-

Special noise barrier applications, Phase III : final report / by Louis F. Cohn, Roswell A. Harris (Department of Civil Engineering, University of Louisville). -- Olympia, Wash. : Washington State Dept. of Transportation, [1993]
iv, 20 p. ; 28 cm.

1. Noise barriers--Evaluation. 2. Noise barriers--Design and construction. 3. Traffic noise.

34492501 TLBAsc

OIL SPILL BOOMS--TESTING.

TD
427
.P4
V36
1994

Van Dyck, Robert L.
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ix/x, 134, A-4 p. : ill. ; 28 cm.
STRN: CG-D-43-95

1. Oil spill booms--Testing. 2. Oil separators--Testing.

34842525 TLBAsc

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TE
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Park, Taescon.
Using pyrolized carbon black from waste tires in asphalt pavement. Part 1, Limestone aggregate / by Taescon Park and C.W. Lovell. -- West Lafayette, IN : Joint Highway Research Project, Purdue University ; [Springfield, Va. : Available through the National Technical Information Service, 1986]
xviii, 314 p. : ill. ; 28 cm.
STRN: FHWA/IN/JHRP-85-10

1. Pavements, Asphalt--Additives. 2. Tires, Rubber--Recycling. 3. Waste products as road materials.

34975238 TLBAsc

PAVEMENTS, ASPHALT--ILLINOIS--ADDITIVES.

TE
270
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1996

Rademaker, Mark.
Evaluation of Stone Matrix Asphalt : final report / Mark Rademaker. -- Springfield, Ill. : Illinois Dept. of Transportation, Bureau of Materials and Physical Research ; [Springfield, Va. : Available from the National Technical Information Service, 1996]
102 p. : ill. ; 28 cm. -- (Physical research report ; no. 121)
Cover title: Evaluation of stone matrix asphalt (SMA).
STRN: FHWA/IL/PR-121
1. Pavements, Asphalt--Illinois--Additives. 2. Pavements, Asphalt--Illinois--Design and construction. 3. Aggregates (Building materials)

34608842 TLBAsc

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TE
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1996

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Determination of the existence and/or extent of alkali-silica reaction in MDOT structures / prepared by John A. Alexander (University of Maine, Civil Engineering Department). -- [Augusta] : Maine Dept. of Transportation, Technical Services Division, [1996]
vi, 75 leaves : ill. ; 28 cm. -- (Technical paper / Maine Dept. of Transportation ; 84-3)
1. Pavements, Concrete--Cracking--Maine. 2. Aggregates (Building materials)--Maine--Evaluation. 3. Alkali-aggregate reactions. 4. Concrete--Defects--Maine.

35022153 TLBAsc

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STRN: FHWA/MT-95/8110-2

1. Pavements, Asphalt--Recycling--Montana. 2. Pavements, Asphalt--Montana--Design and construction. 3. Pavements--Montana--Design and construction.

34566100 TLBAsc

PAVEMENTS, CONCRETE--JOINTS.

TE
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Thickness design for jointed fiber reinforced concrete highway and street pavements / prepared by Yongxin Liu. -- Pierre, SD : South Dakota Dept. of Transportation, Office of Research, [1995]
xii, 88 p. : ill. ; 28 cm.
STRN: SD95-20-1

1. Pavements, Concrete--Joints. 2. Pavements, Reinforced concrete--Design and construction. 3. Reinforced concrete, Fiber--Design and construction.

34509213 TLBAsc

PEDESTRIAN ACCIDENTS--VIRGINIA.

HE
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Garber, Nicholas J.
Traffic and highway geometric characteristics associated with pedestrian crashes in Virginia / Nicholas J. Garber, Torsten K. Lienau. -- Charlottesville, Va. : Virginia Transportation Research Council, [1996]
iii, 46 p. : ill. ; 28 cm. -- (VTRC ; 96-R29)

1. Pedestrian accidents--Virginia. 2. Traffic accidents--Virginia. 3. Roads--Virginia--Design and construction.

34503719 TLBAsc

PROFILOMETER.

TE
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Assessment of Virginia's hybrid South Dakota road profiling system / Kevin K. McGhee. -- Charlottesville, Va. : Virginia Transportation Research Council, [1996]
iii, 27 p. : ill. ; 28 cm. -- (VTRC ; 96-R20)
STRN: FHWA/VA-96-R20

1. Profilometer. 2. Pavements--Virginia--Testing. 3. Roads--Virginia--Riding qualities--Testing. 4. Road meters--Evaluation. 5. Pavements--Testing.

34353009 TLBAsc

RAILROADS--TRACK--DYNAMICS.

TF
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Safety of high speed ground transportation systems : track lateral shift : fundamentals and state-of-the-art review / [G. Samavedam, F. Blader and D. Thomson]. -- Washington, D.C. : U.S. Dept. of Transportation, Federal Railroad Administration, Office of Research and Development ; Springfield, VA : Available through the National Technical Information Service, [1996]
76 p. in various pagings : ill. ; 28 cm.

1. Railroads--Track--Dynamics. 2. High speed trains.

34838067 TLBAsc

ROAD DRAINAGE--ENVIRONMENTAL ASPECTS --WASHINGTON (STATE)

TE
215
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Hathhorn, Wade E.
The assessment of groundwater pollution potential resulting from stormwater infiltration BMP's / by Wade E. Hathhorn, David Young. -- [Olympia, Wash.] : Washington State Dept. of Transportation ; [Springfield, VA : Available through the National Technical Information Service, 1996]
vii, 181 p. : ill. ; 28 cm.
STRN: WA-RD 389.2

1. Road drainage--Environmental aspects--Washington (State) 2. Runoff--Washington (State) 3. Storm water retention basins--Washington (State)

34492513 TLBAsc

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The influence of fines on strength and drainage characteristics of aggregate bases / Edward J. Hoppe. -- Charlottesville, Va. : Virginia Transportation Research Council, [1996]
iii, 33 p. ; 28 cm. -- (VTRC ; 96-R35)

1. Road drainage--Virginia. 2. Runoff--Virginia. 3. Aggregates (Building materials)--Virginia. 4. Pavements--Virginia--Subgrades.

35022336 TLBAsc

ROADS--ECONOMIC ASPECTS--INDIANA.

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Palmer, James A.
Effects of road reconstructing on adjacent economic activities : a retrospective study : final report / James A. Palmer, J. Philip Cornwell, and William R. Black. -- West Lafayette, IN : Indiana University, Transportation Research Center, [1996]
1 v. (various pagings) ; 28 cm.

1. Roads--Maintenance and repair--Economic aspects--Indiana. 2. Roads--Economic aspects--Indiana.

34953695 TLBAsc

ROADS--ECONOMIC ASPECTS--KANSAS.

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Employment impact of highway construction and maintenance activities in Kansas / by Michael W. Babcock ... [et al.]. -- [Topeka] : Kansas Dept. of Transportation ; [Springfield, Va. : Available through the National Technical Information Service, 1996]
x, 71 p. ; 28 cm.
STRN: K-TRAN: KSU-95-3

1. Roads--Economic aspects--Kansas. 2. Roads--Kansas--Design and construction. 3. Roads--Kansas--Maintenance and repair.

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ROADS--MASSACHUSETTS--FINANCE.

REF.
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Massachusetts. Highway Dept.
State aid manual / Massachusetts Highway Dept. -- 1995- . -- [Boston, Mass.] The Dept., 1995-
v. ; 28 cm.
Irregular.
Continues: Massachusetts. Dept. of Public Works. State aid to municipalities for highways and streets.

1. Roads--Massachusetts--Finance.

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ROUTE 44 (MASS.)

HE
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U.S. Route 44 relocation : Carver, Kingston, Plymouth, Plympton, Plymouth County, Massachusetts / U.S. Dept. of Transportation ; Massachusetts Highway Dept. -- [Boston, Mass.] : Massachusetts Highway Dept., 1996.
3 v. : ill., maps ; 28 cm.

1. Route 44 (Mass.) 2. Highway planning--Environmental aspects--Massachusetts--Plymouth County. 3. Highway relocation.

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TRAFFIC ACCIDENTS--VIRGINIA.

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Miller, John S.
An overview of Virginia's computerized crash records systems / John S. Miller. -- Charlottesville, Va. : Virginia Transportation Research Council, c1995.
ix, 188 p. ; 28 cm. -- (VTRC ; 96-R11)

1. Traffic accidents--Virginia. 2. Traffic accidents--Virginia--Data processing. 3. Traffic accidents--Virginia--Databases.

33885065 TLBAsc 96-620408

TRAFFIC CONGESTION--NEW YORK (STATE) --ALBANY--PREVENTION.

HE
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Developing effective congestion management systems : four case studies. -- Washington, DC : Dept. of Transportation ; Distributed in cooperation with Technology Sharing Program, U.S. Dept. of Transportation, [1995]
1 v. (various pagings) ; 28 cm.
1. Traffic congestion--New York (State)--Albany--Prevention. 2. Traffic congestion--Washington Metropolitan Area--Prevention. 3. Traffic congestion--Texas--Dallas Region--Prevention. 4. Traffic congestion--Washington (State)--Seattle--Prevention.

34546499 TLBAsc

TRAFFIC NOISE.

TD
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Henderson, Michael P.
A comparison of traffic noise from asphalt rubber asphalt concrete friction courses (ARACFC) and Portland cement concrete pavements (PCCP) / prepared by Michael P. Henderson, Sylvester A. Kalevela (JHK & Associates). -- Phoenix, Ariz. : Arizona Dept. of Transportation ; [Springfield, Va. : Available through the National Technical Information Service, 1996]
166 p. in various pagings : ill. ; 28 cm.
STRN: FHWA-AZ96-433
1. Traffic noise. 2. Pavements, Asphalt concr ete--Noise. 3. Pavements, Co ncrete--Noise.

34342737 TLBAsc

TRAFFIC SIGNS AND SIGNALS.

TE
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Brown, Richard L.
Procedure for establishing no passing zones / by Richard L. Brown and Joseph E. Hummer. -- [Raleigh, N.C.] : Center for Transportation Engineering Studies, Dept. of Civil Engineering, North Carolina State University, [1996]
49, A-4 p. : ill. ; 28 cm.
STRN: FHWA/NC/95-007

1. Traffic signs and signals. 2. Traffic engineering.

34627620 TLBAsc

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Cottrell, Benjamin H.
Using all-way stop control for residential traffic management / B.H. Cottrell, Jr. -- Charlottesville, Va. : Virginia Transportation Research Council ; [Springfield, VA : Available through the National Technical Information Service, 1995]
iii, 28, [14] p. : ill. ; 28 cm. -- (VTRC ; 96-R17)
STRN: FHWA/VTRC 96-R17

1. Traffic signs and signals--Virginia. 2. Traffic flow--Virginia.

34165080 TLBAsc

TRANSPORTATION--IOWA--FORECASTING.

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213
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1993

Forkenbrock, David J.
Transportation and Iowa's economic future / David J. Forkenbrock, Norman S.J. Foster, Michael R. Crum. -- Iowa City, IA : Public Policy Center, University of Iowa, c1993.
xv, 170 p. : ill., maps ; 23 cm.

1. Transportation--Iowa--Forecasting. 2. Economic forecasting--Iowa. 3. Iowa--Economic conditions.

27674478 TLBAsc 93-131959

TRANSPORTATION--SOFTWARE--CATALOGS.

REF.
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Varanasi, Sree.
Software in transit handbook / prepared by Sree Varanasi. -- Washington, DC : American Public Transit Association, [1993]
iii, 617 p. ; 23 cm.

1. Computer software. 2. Local transit--Software--Catalogs. 3. Transportation--Software--Catalogs.

29337816 TLBAsc

URBAN TRANSPORTATION--DICTIONARIES.

REF.
HE
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1994

Glossary of transportation terms = Glosario de terminos transportes, 1994. -- [Washington, D.C. : Federal Highway Administration, 1994]
viii, 334 p. : ill. ; 28 cm.

1. Urban transportation--Dictionaries. 2. Local transit--Dictionaries. 3. Transportation--Dictionaries.

31532336 TLBAsc

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CIVIL ENGINEERING

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ON THE COVER Extensive shoring holds up the existing facades of California's Legion of Honor while the building undergoes seismic retrofit and underground expansion (see page 32) Photo by Richard Barnes

GIS WORLD
VOL. 9 NO. 8 The World's Leading Geographic Information Systems Publication AUGUST 1996

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THE GLOBAL AIRPORT BUSINESS MAGAZINE

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Mass Transit

JULY / AUGUST

TRANSIT ECONOMICS

Innovative funding strategies mark both the Florida high speed rail project and the two major system expansions covered in this issue of MT. Open-minded approaches to combinations of public and private sector funding as outlined in the stories on FOX and Manchester are making things possible that would not happen otherwise. Who knows—the success of these and other innovatively funded projects may even convince lawmakers that transit is one of the best investments for the future that can be made with public funds.

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BRIDGES, CONCRETE--VIRGINIA--FLOORS--CORROSION.

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1996

Clemeña, G. G. (Gerardo G.)
Pilot applications of electrochemical chloride extraction on concrete bridge decks in Virginia / Gerardo G. Clemeña, Donald R. Jackson. -- Charlottesville, Va. : Virginia Transportation Research Council, [1996]
iii, 30 p. : ill. ; 28 cm. -- (VTRC ; 96-IR3)

1. Bridges--Virginia--Floors--Maintenance and repair. 2. Bridges, Concrete--Virginia--Floors--Corrosion. 3. Concrete--Corrosion--Prevention. 4. Electrochemical apparatus.

BRIDGES--FLOORS.

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STRN: FHWA/OH-95/027

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Zia, Paul, 1926-
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xi, 117 p. : ill. (some col.) ; 28 cm.
STRN: FHWA/NC/95-006

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94 p. in various pagings : ill. ; 28 cm.
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ISBN 0-942604-41-5

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AMERICAN
DEMOGRAPHICS
a publication of Dow Jones & Company, Inc. October 1996

THE TOP 5 PERCENT OF U.S. HOUSEHOLDS HAVE 21 PERCENT OF THE NATION'S INCOME, UP FROM 17 PERCENT IN 1984 (SEE PAGE 30).

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The "Tacos" of New Mexico's Air National Guard 150th Fighter Wing have added a new twist to "Fast FAC" techniques, using a few Lantirn targeting systems to multiply the number of precision weapons dropped on a target. "Scouts" flying Block 40 F-16s lase for non-Lantirn-equipped "killers" carrying LGBs (see p. 48). USAF photo by Master Sgt. Derek Harris.

South African Airways (inset), adapting to new domestic political realities, is phasing out the use of the Afrikaans acronym SAL, for Suid Afrikaanse Lugdiens, which appears in tandem with SAA on many of its aircraft (see p. 42). SAA plans to introduce a new logo and paint scheme next year. SAA photo.

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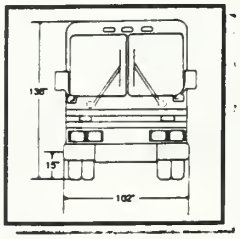

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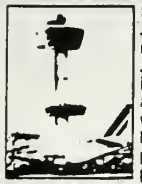

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